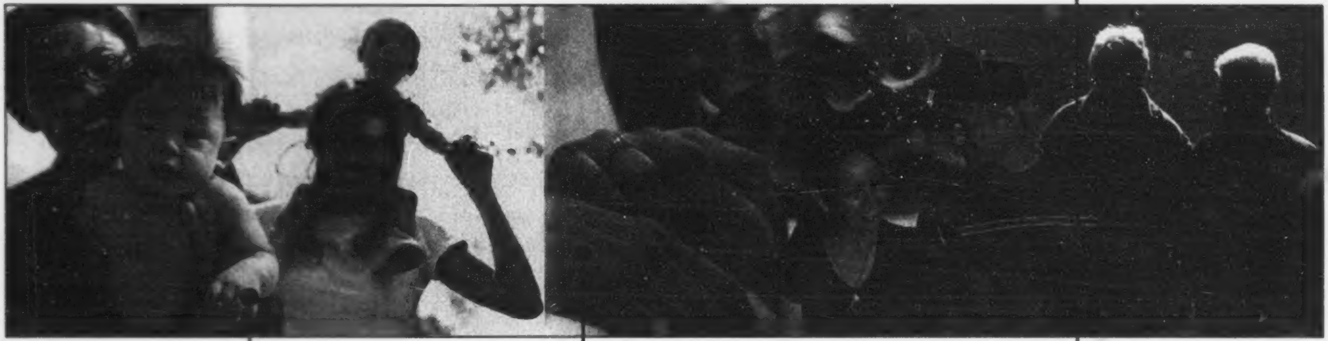
Selected Vital Statistics and Health Status Indicators



ONE HUNDRED AND THIRTY-SEVENTH ANNUAL REPORT 2008

British Columbia Vital Statistics Agency

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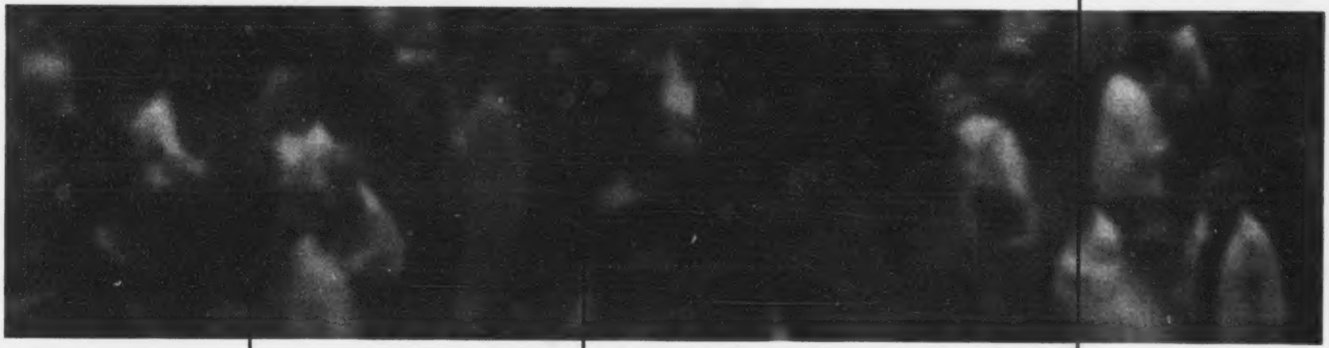
Selected Vital Statistics and Health Status Indicators



ONE HUNDRED AND THIRTY-SEVENTH ANNUAL REPORT 2008

British Columbia Vital Statistics Agency

Foreword

The British Columbia Vital Statistics Agency (the Agency) is pleased to present the 2008 Annual Report, the one hundred and thirty-seventh published since the establishment of the Division of Vital Statistics in 1872. The tables, figures, and maps in this publication are based on information collected from registrations of live births, stillbirths, deaths, and marriages, as registered by the Agency for events occurring in the 2008 calendar year.

This publication contains approximately 100 tables, figures, and maps that summarize selected information about the vital events taking place in British Columbia (BC). Although some tables and information relate to vital events occurring within the province that may include visitors to BC, such as marriages, the majority are specific to residents of BC.

The information relating only to residents is important for evaluating and monitoring the health status of the province's population.

Throughout the report, key indicators are presented for the province's Health Authorities (HA), Health Service Delivery Areas (HSDA) and Local Health Areas (LHA). The report includes a detailed *Glossary*, defining the terms used in the body of the publication; as well as a *Methodology* section, explaining the statistical computations in the main body. A set of *Information Boxes* supplement the standard tables with information on a wide range of subjects, from a profile of a *Typical Day in British Columbia* to *Place of Birth for Midwife Assisted Births* and *Usual Residence of People Married in 2008.*

Beginning with the 2000 Annual Report, the Agency has presented data using the tenth revision of the World Health Organization's *International Statistical Classification of Diseases and Related Health Problems* (ICD-10) coding scheme. Where possible, this report follows a format consistent with previous annual reports that presented statistics from the current year along with comparative statistics from the preceding five years. However, some tables and figures present statistics prior to 2000 when an earlier version of the coding scheme (ICD-9) was in effect. Many changes in the codes and in the rules for selection of the underlying cause of death preclude direct comparison of ICD-9 and ICD-10 data. Extensive manual reviews using translation tables in conjunction with recoding of data from ICD-9 to ICD-10 enabled the production of trend data. This approach is unique to publications of the Agency.

The Agency would like to acknowledge the many groups and individuals who ensure complete and accurate recording of vital events. Their contributions have resulted in continual improvement in the quality of vital event data and the quality of this report.

Original signed by,

Jack Shewchuk
Chief Executive Officer
British Columbia Vital Statistics Agency

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General Information

Introduction

The Agency is responsible for the ascertainment, registration, and certification of vital events through the administration of the *Vital Statistics Act*, *Marriage Act*, and *Name Act*. Statistical information contained in this report is summary data provided by the Agency for use by government agencies, health planners, researchers, and the general public. In order to maintain confidentiality, the information does not disclose personally identifiable data.

Registrations

Section 44 of the *Vital Statistics Act* states: "As soon as convenient after January 1 in each year, the chief executive officer must make, for the use of the Legislative Assembly and for public information, a statistical report of the births, stillbirths, marriages, deaths, adoptions and changes of name registered during the preceding calendar year."

The table below is presented to fulfill these requirements.

VITAL EVENTS REGISTERED IN BRITISH COLUMBIA IN 2008

Event Type	Residents	Non-Residents	Total
Live Births	44,156	221	44,377
Deaths	31,892	279	32,171
Stillbirths	424	12	436
Marriages[1]	20,625	2,335	22,960
Adoptions	619	81	700
Changes of Name[2]	4,838	-	4,838

Note: [1] Residents include marriages where only one party was a British Columbia resident, as well as those where both parties were residents.

[2] These registrations resulted in 5,340 name changes.

Although the *Vital Statistics Act* requires registration of events that occurred in the province, and Section 44 specifically requires that these be reported, vital events are often a reflection of the health status of the population; therefore, most of the information in this report pertains to residents. Specifically, live birth, stillbirth, and death statistics summarize events that occurred in the province to BC residents only, and exclude events to non-residents except where noted. Marriage statistics summarize all events that occurred in the province to either residents or non-residents. Vital events that occurred to BC residents outside the province are not shown in this report; Statistics Canada makes adjustments for events that occur to Canadians outside their province of usual residence in its publications.

VITAL EVENT DATA

Data presented in this report are based on registrations of birth, stillbirth, death, and marriage as reported to the Agency. Registration requirements for each type of event are outlined briefly as follows:

Live Births: The *Vital Statistics Act* prescribes the legal requirements for the registration of live births. The parent(s) of the child have the responsibility to complete the *Registration of Live Birth* within 30 days of the event. The physician or registered midwife who was in attendance at the birth must complete a *Notice of Live Birth or Stillbirth* (NOB) form which must be made available to the Agency within 48 hours of the event. Other requirements must be met if the birth was not attended by a physician or registered midwife.

Stillbirths: In the event of a stillbirth, the parent(s) must complete the *Registration of Stillbirth*. The physician or registered midwife who was in attendance at the birth must complete a *Notice of Live Birth or Stillbirth* (NOB) form. In addition, a physician or coroner is required to complete the *Medical Certification of Stillbirth* portion of the *Registration of Stillbirth* and deliver it to the funeral director who in turn submits it to the Agency.

Deaths: The physician in attendance at the last illness of the deceased person, or the coroner conducting an inquiry into the death of the person is required to complete a *Medical Certification of Death*. The *Registration of Death* is completed by the informant with assistance from the funeral home. The funeral home director submits both documents to the Agency to complete the registration and proceeds to issue the burial permit.

Marriages: The *Marriage Act* prescribes the legal qualifications of individuals to marry, the authorization of religious representatives and marriage commissioners to perform the marriage ceremony, and the solemnization of marriage. Under the *Marriage Act*, the Agency licences religious representatives of established religious denominations who desire the authority to solemnize marriage. The Agency recommends for appointment marriage licence issuers and marriage commissioners to perform civil ceremonies.

Couples who meet the legal qualifications to marry must obtain a marriage licence up to 90 days before the ceremony. They can choose a civil ceremony performed by a marriage commissioner or a religious ceremony performed by a religious representative. The *Registration of Marriage* is completed by the officiant after the ceremony, and must be signed by the officiant, the parties getting married, and two witnesses.

MEDICAL CODING

The *Notice of Live Birth or Stillbirth* (NOB) includes information on birth weight, gestation, and mode of delivery, as well as abnormalities of the infant and complications of pregnancy, labour, and delivery. The *Medical Certification of Death* and the *Medical Certification of Stillbirth* include information on the immediate cause of death or stillbirth, antecedent causes giving rise to the immediate cause, and other significant conditions contributing to the death or stillbirth. This information is processed by medically trained staff using the World Health Organization's *International Statistical Classification of Diseases* (ICD) coding scheme. For deaths, the coding system is applied via coding software developed in the United States and distributed for use across Canada by Statistics Canada. In some instances the Agency's medical coding staff has determined that strict adherence to the automated ICD classification process would misstate the intention of the physician completing the *Medical Certification of Death*.

In these cases the Agency deviates slightly from standard ICD coding software output for the material presented in this report. Data coded to automated ICD classification standards are maintained by the Agency for comparison to other jurisdictions and for submission to Statistics Canada. The data presented in this report do not necessarily correspond to data for BC published elsewhere.

Since the early 1900s, the *International Statistical Classification of Diseases* (ICD) has been revised regularly in order to reflect advances in medical science and changes in diagnostic terminology. The ninth revision of ICD (ICD-9) was used for medical coding of birth complications and causes of death from 1979 until 1999. Coding according to the tenth revision (ICD-10) was implemented at the beginning of the year 2000. Many changes in the codes and in the rules for selection of the underlying cause of death precluded direct comparison of data in ICD-10 with data from earlier years. Translation tables were used, and extensive manual reviews and recoding of data from ICD-9 to ICD-10 were completed in order to be able to provide trend data in this annual report.

TIME PERIODS

This report pertains to events that occurred in the calendar year 2008. Selected tables present aggregate information for the previous five-year period. These broader time periods permit more meaningful tests of statistical significance when analyzing data at sub-provincial levels, and can smooth out random fluctuations that occur when annual numbers are small. For regional health status profiles, readers are encouraged to refer to measures of statistical significance and use data presented for the five-year aggregates.

The data for earlier years have been updated and may differ from other publications. Readers should treat this report as a replacement of previous publications and avoid comparisons with tables in earlier publications.

POPULATION DATA

Mid-year population estimates for incorporated communities, local health areas, and health regions were provided by BC STATS, Ministry of Labour and Citizens' Services. In the mortality section of this report, a 'standard population' is used in the calculation of Age Standardized Mortality Rates (ASMR) and Potential Years of Life Lost Standardized Rates (PYLLSR). The Agency has used the 1991 Canadian Census population as the 'standard population' in the calculation of these age-standardized measures since 1998. Please refer to *Standard Population* in the *Glossary* for a more detailed description and the *Methodology* section for examples of computations of measures and statistical tests.

SPATIAL ANALYSIS AND MAPPING

This report presents regional analyses using data dissemination areas used by the Ministry of Health Services (Health Authority (HA), Health Service Delivery Area (HSDA), and Local Health Area (LHA)) and for incorporated communities (see Figures 1 and 2). This continues the practice established in 2001 and provides HAs a consistent time series of health status indicators for their regions. Health care services are managed and delivered by five HAs that govern, plan, and coordinate services regionally within 16 HSDAs. The Interior Health Authority encompasses four HSDAs. Fraser, Vancouver Coastal, Vancouver Island, and Northern Health Authorities, each consist of three HSDAs. HSDAs can be further divided in LHAs. Vital events are allocated to these data dissemination areas by the postal codes recorded on registration documents.

Marriages are assigned geographically by the postal code of the location where the marriage ceremony was performed; other vital events are assigned by the usual residence of the parents (for live births and stillbirths) or the decedent (for deaths).

Converting statistical data to maps can often reveal relationships that are not readily discernable in tabular form. The maps in this report present local health area data ranked by quintiles and allow easy visual examination of spatial patterns. Although statistics for all LHAs are presented in the maps, emphasis should be placed on those that are statistically significant. Maps have been included in the Vital Statistics Annual Reports since 1989 in order to disseminate relevant community level health information to the public and to local health service providers, planners, and educators. These allow communities to address their own specific health challenges and identify local health priorities. This can foster locally based solutions and more appropriate decision making.

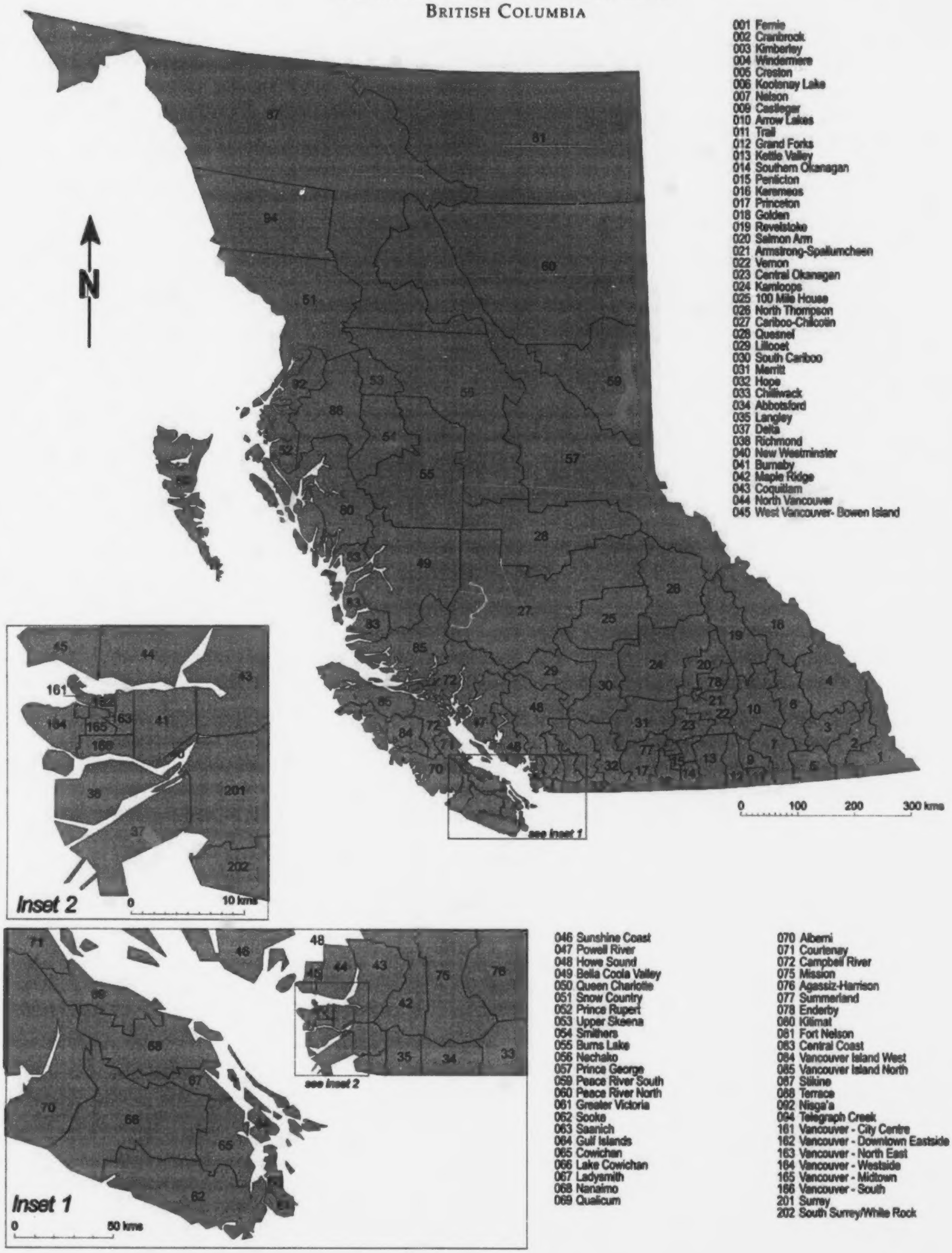
TERMS, METHODS, AND COMPUTATIONAL EXAMPLES

Readers are encouraged to refer to the *Glossary* for explanations of terms. The *Methodology* section provides examples of computations of measures and statistical tests.

FIGURE 1

LOCAL HEALTH AREA MAP

BRITISH COLUMBIA


N
0 100 200 300 kms
see inset 1
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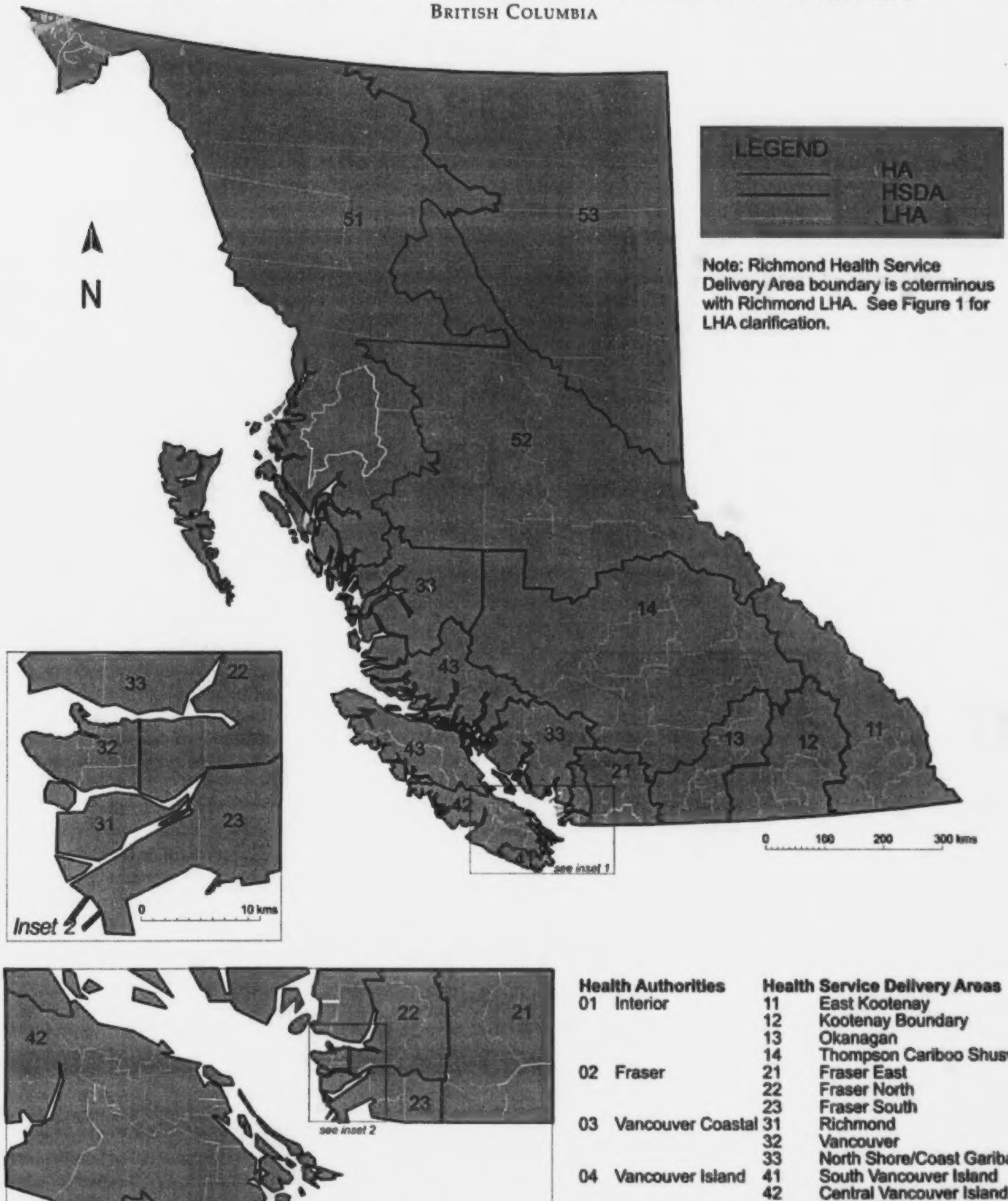
Inset 2
0 10 kms
Inset 1
0 50 kms
001 Fernie
002 Cranbrook
003 Kimberley
004 Windermere
005 Creston
006 Kootenay Lake
007 Nelson
009 Castlegar
010 Arrow Lakes
011 Trail
012 Grand Forks
013 Kettle Valley
014 Southern Okanagan
015 Penticton
016 Keremeos
017 Princeton
018 Golden
019 Revelstoke
020 Salmon Arm
021 Armstrong-Spallumcheen
022 Vernon
023 Central Okanagan
024 Kamloops
025 100 Mile House
026 North Thompson
027 Cariboo-Chilcotin
028 Quesnel
029 Lillooet
030 South Cariboo
031 Merritt
032 Hope
033 Chilliwack
034 Abbotsford
035 Langley
037 Delta
038 Richmond
040 New Westminster
041 Burnaby
042 Maple Ridge
043 Coquitlam
044 North Vancouver
045 West Vancouver- Bowen Island
046 Sunshine Coast
047 Powell River
048 Howe Sound
049 Bella Coola Valley
050 Queen Charlotte
051 Snow Country
052 Prince Rupert
053 Upper Skeena
054 Smithers
055 Burns Lake
056 Nechako
057 Prince George
059 Peace River South
060 Peace River North
061 Greater Victoria
062 Sooke
063 Saanich
064 Gulf Islands
065 Cowichan
066 Lake Cowichan
067 Ladysmith
068 Nanaimo
069 Qualicum
070 Alberni
071 Courtenay
072 Campbell River
075 Mission
076 Agassiz-Harrison
077 Summerland
078 Enderby
080 Kitimat
081 Fort Nelson
083 Central Coast
084 Vancouver Island West
085 Vancouver Island North
087 Stikine
088 Terrace
092 Nisga'a
094 Telegraph Creek
161 Vancouver - City Centre
162 Vancouver - Downtown Eastside
163 Vancouver - North East
164 Vancouver - Westside
165 Vancouver - Midtown
166 Vancouver - South
201 Surrey
202 South Surrey/White Rock

FIGURE 2

HEALTH AUTHORITY & HEALTH SERVICE DELIVERY AREA MAP

BRITISH COLUMBIA


LEGEND
HA
HSDA
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14
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13
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22
32
31
23
0 10 kms
Inset 2
42
22
21
23
see inset 2
41
Inset 1
0 50 kms

Note: Richmond Health Service Delivery Area boundary is coterminous with Richmond LHA. See Figure 1 for LHA clarification.

Health Authorities		**Health Service Delivery Areas**	
01	Interior	11	East Kootenay
		12	Kootenay Boundary
		13	Okanagan
		14	Thompson Cariboo Shuswap
02	Fraser	21	Fraser East
		22	Fraser North
		23	Fraser South
03	Vancouver Coastal	31	Richmond
		32	Vancouver
		33	North Shore/Coast Garibaldi
04	Vancouver Island	41	South Vancouver Island
		42	Central Vancouver Island
		43	North Vancouver Island
05	Northern	51	Northwest
		52	Northern Interior
		53	Northeast
06	Provincial Health Services Authority		

Trends in Vital Events

Vital Statistics Information Box

ON A TYPICAL DAY IN BRITISH COLUMBIA IN 2008

121 LIVE BIRTHS OCCURRED IN THE PROVINCE TO BC RESIDENTS:

62	males and 59 females were born
4	were born to teenage mothers
27	were born to mothers aged 35 years old or more
4	were multiple births
37	were cesarean deliveries
7	were low birth weight babies
9	were pre-term
64	live births involved maternal complications
42	babies had perinatal complications
10	stillbirths every 10 days

88 DEATHS OCCURRED IN THE PROVINCE TO BC RESIDENTS:

45	males and 43 females died
68	deaths were seniors aged 65 years old or more including
	- 44 deaths aged 80 years old or more
7	deaths every 10 days were children less than 15 years old including
	- 5 infant deaths every 10 days
27	deaths were due to diseases of the circulatory system including
	- 19 from cardiovascular disease
	- 7 from cerebrovascular disease
24	deaths were due to malignant neoplasms (cancer) including
	- 6 from malignant neoplasm of trachea and lung
	- 3 from malignant neoplasm of colon and rectum
	- 2 from malignant neoplasm of female breast
9	deaths were due to diseases of the respiratory system including
	- 4 from pneumonia and influenza
	- 4 from chronic pulmonary disease
2	deaths every 10 days were due to HIV disease
4	deaths were from external causes including
	- 1 suicide
	- 1 motor vehicle accident
	- 1 unintentional fall
5	deaths were alcohol-related:
	- 1 directly due to alcohol and 4 indirectly due to alcohol
1	death was drug-induced
17	deaths were attributed to smoking

63 MARRIAGES WERE SOLEMNIZED IN THE PROVINCE:

39	were civil ceremonies and 24 were performed by religious representatives
42	marriages were to couples where both parties were marrying for the first time
2	marriages every 10 days were to couples where both parties were teenagers

Trends Introduction

The tables and figures in this part of the Annual Report provide a long term historical review of birth, death, and marriage statistics during the past few decades. They provide a broad context for the recent vital event statistics shown in other parts of this report. Long term trends are always useful for evaluating recent events and trends, so the tables and figures are often cross referenced to related tables in subsequent parts of the report.

Overview

This section begins with a review of population, live birth, stillbirth, death and marriage trends. This is followed by information on natural population increases and vital events by month.

Table 1 summarizes vital events that occurred from 1950-2008 and includes the mid-year BC populations. The BC population has shown a steady increase since 1950 so the columns indicating the rates are the most telling of indicators.

The rate of live births to residents increased steadily from 1950 to 1957 (as shown in Table 1). It levelled until 1960, and then dropped quite rapidly during the next ten years after which the decline moderated but generally continued until 2005. Between 2005 and 2008, there was a slight increase in the rate of live births over previous years. This has not occurred since 1988. The death rate, on the other hand, has declined from about ten per 1,000 population in 1950 to about seven per 1,000 in the mid 1980s and remained at about that level until 2008.

Marriage information pertains to all marriages solemnized in the province, not only those to residents. The marriage rate was about 10 marriages per 1,000 British Columbians in 1950 but declined to about seven per 1,000 in 1960, then rose again to almost the 1950 rate by 1970. Since then, the marriage rate has declined to about 5 marriages per 1,000 population in 2008.

Regarding stillbirths, readers should be aware that there was a change in definition which led to the apparent 'jump' in numbers and rates in 1963. That change, and another in 1986, is explained under Stillbirth in the *Glossary*. Other than the increase in 1963 and irregularities due to small numbers of stillbirths, rates generally declined until the early 1990s and have fluctuated around seven per 1,000 total births until 2005. The rates since 2006 have increased from 7.99 to 9.51.

Table 2 and Figure 4 show the rate of natural population increase (NPI) in BC and Canada since 1950. Natural population growth is explained in the *Glossary*. Not counting migration into or out of BC, the population grew "naturally" by 12,264 or at the rate of 2.8 per 1,000 British Columbians in 2008. BC's rate of NPI has been consistently below Canada's except for the first half of the 1980s. Both BC's and Canada's rates have gradually declined since the late 1950s.

Table 3 and Figure 5 show the number of live births, deaths, marriages, and stillbirths to residents according to the month in which they occurred. The number of marriages each month includes residents and non-residents. The percent columns show the monthly percent of all events to residents, except marriages which show the percent of all marriages. The table also includes the number of live births, deaths and stillbirths to non-residents.

There is continual speculation and anecdotal evidence that vital events tend to occur in particular months or seasons. The data presented in Table 3 and Figure 5 may not put an end to that speculation, but live births and deaths were pretty evenly distributed across the months and seasons in 2008. On the other hand, there was a clear preference to marry during the summer months. Although there were fluctuations in the number and percentage of stillbirths, due to the small number of events, no trend was apparent.

TABLE 1

LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

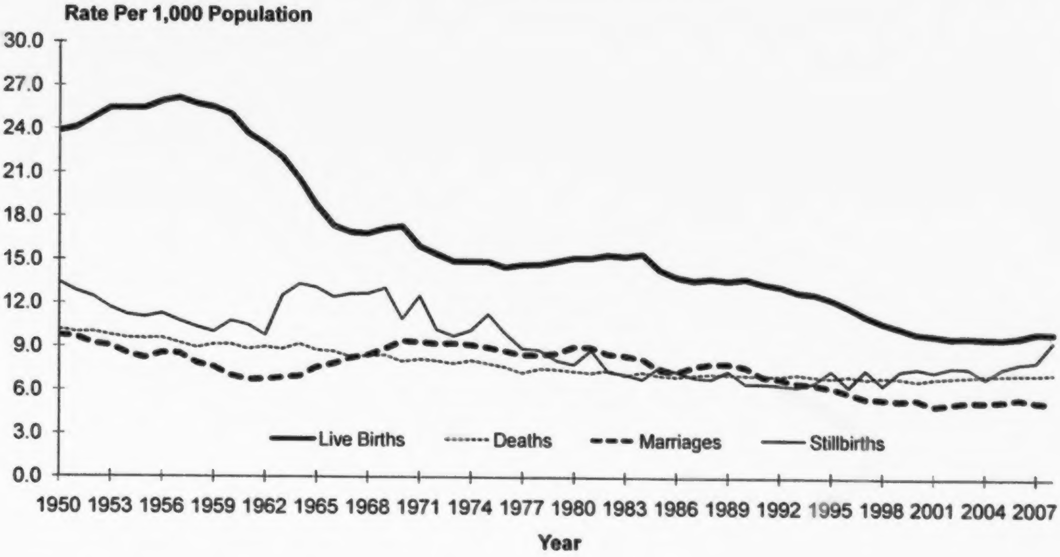
BRITISH COLUMBIA, 1950–2008

Year	Mid-year Population	Live Births		Deaths		Marriages		Stillbirths	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	1,137,000	27,116	23.85	11,581	10.19	11,110	9.77	369	13.43
1951	1,165,210	28,077	24.10	11,638	9.99	11,272	9.67	365	12.83
1952	1,205,000	29,827	24.75	12,060	10.02	11,081	9.20	375	12.42
1953	1,248,000	31,746	25.44	12,218	9.79	11,298	9.05	375	11.67
1954	1,295,000	32,946	25.44	12,414	9.59	10,991	8.49	373	11.19
1955	1,342,000	34,138	25.44	12,816	9.55	11,011	8.20	381	11.04
1956	1,398,464	36,241	25.91	13,415	9.59	11,950	8.55	413	11.27
1957	1,482,000	38,744	26.14	13,711	9.25	12,620	8.52	422	10.77
1958	1,538,000	39,577	25.73	13,741	8.93	12,094	7.86	414	10.35
1959	1,567,000	39,971	25.51	14,336	9.15	11,910	7.60	404	10.01
1960	1,602,000	40,116	25.04	14,696	9.17	11,203	6.99	437	10.78
1961	1,629,100	38,591	23.69	14,403	8.84	10,935	6.71	410	10.51
1962	1,660,000	38,128	22.97	14,912	8.98	11,196	6.74	377	9.79
1963	1,699,000	37,478	22.06	15,029	8.85	11,677	6.87	476	12.54
1964	1,745,000	35,897	20.57	16,051	9.20	12,158	6.97	485	13.33
1965	1,797,000	33,669	18.74	15,784	8.78	13,639	7.59	447	13.10
1966	1,873,674	32,502	17.35	16,290	8.69	14,682	7.84	409	12.43
1967	1,945,000	32,899	16.91	16,170	8.31	16,026	8.24	422	12.66
1968	2,003,000	33,687	16.82	16,828	8.40	16,914	8.44	433	12.69
1969	2,060,000	35,383	17.18	17,377	8.44	18,284	8.88	468	13.05
1970	2,128,000	36,861	17.32	17,020	8.00	20,020	9.41	407	10.92
1971	2,184,620	34,852	15.95	17,783	8.14	20,389	9.33	442	12.52
1972	2,241,400	34,563	15.42	18,021	8.04	20,659	9.22	356	10.20
1973	2,302,400	34,352	14.92	18,095	7.86	21,303	9.25	339	9.77
1974	2,375,700	35,450	14.92	19,177	8.07	21,734	9.15	364	10.16
1975	2,433,200	36,281	14.91	19,151	7.87	21,824	8.97	414	11.28
1976	2,466,610	35,848	14.53	18,788	7.62	21,536	8.73	361	9.97
1977	2,493,800	36,691	14.71	18,021	7.23	21,156	8.48	330	8.91
1978	2,530,100	37,231	14.72	19,057	7.53	21,388	8.45	331	8.81
1979	2,571,200	38,432	14.95	19,204	7.47	22,087	8.59	313	8.08
1980	2,640,100	40,104	15.19	19,371	7.34	23,830	9.03	316	7.82
1981	2,744,470	41,679	15.19	19,857	7.24	24,694	9.00	371	8.82
1982	2,787,700	42,942	15.40	20,704	7.43	23,831	8.55	317	7.33
1983	2,813,800	43,047	15.30	19,895	7.07	23,692	8.42	310	7.15
1984	2,847,700	44,040	15.47	20,781	7.30	23,394	8.22	303	6.83
1985	2,990,000	42,989	14.38	21,131	7.07	22,270	7.45	333	7.69
1986	3,003,621	41,712	13.89	21,009	6.99	21,847	7.27	308	7.33
1987	3,048,651	41,610	13.65	21,618	7.09	23,418	7.68	291	6.94
1988	3,114,761	42,860	13.76	22,357	7.18	24,519	7.87	295	6.84
1989	3,196,725	43,587	13.63	22,786	7.13	25,181	7.88	324	7.38
1990	3,292,111	45,348	13.77	23,416	7.11	25,225	7.66	298	6.53
1991	3,373,787	45,346	13.44	23,820	7.06	23,667	7.01	298	6.53
1992	3,468,802	46,008	13.26	24,463	7.05	23,762	6.85	298	6.44
1993	3,567,772	45,925	12.87	25,605	7.18	23,482	6.58	292	6.32
1994	3,676,075	46,816	12.74	25,832	7.03	23,776	6.47	312	6.62
1995	3,777,390	46,680	12.36	26,224	6.94	23,636	6.26	350	7.44
1996	3,874,317	45,946	11.86	27,391	7.07	22,880	5.91	292	6.32
1997	3,948,583	44,387	11.24	27,263	6.90	21,884	5.54	335	7.49
1998	3,983,113	42,860	10.76	27,808	6.98	21,778	5.47	278	6.44
1999	4,011,375	41,736	10.40	27,890	6.95	21,630	5.39	313	7.44
2000	4,039,230	40,491	10.02	27,351	6.77	22,095	5.47	311	7.62
2001	4,076,264	40,380	9.91	28,239	6.93	20,574	5.05	301	7.40
2002	4,098,178	39,896	9.74	28,714	7.01	21,263	5.19	309	7.69
2003	4,122,396	40,302	9.78	29,156	7.07	21,987	5.33	311	7.66
2004	4,155,170	40,330	9.71	29,725	7.15	22,086	5.32	282	6.94
2005	4,196,788	40,658	9.69	30,096	7.17	22,640	5.39	314	7.66
2006	4,243,580	41,606	9.80	30,539	7.20	23,519	5.54	335	7.99
2007	4,310,305	43,522	10.10	31,117	7.22	22,975	5.33	356	8.11
2008	4,381,603	44,156	10.08	31,892	7.28	22,960	5.24	424	9.51

FIGURE 3

CRUDE RATES OF LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS

BRITISH COLUMBIA, 1950–2008



Note: Stillbirth rate per 1,000 total births

Notes for Table 1

Rates shown for live births, deaths and marriages are crude rates per 1,000 population. Stillbirth rate is per 1,000 total births (live births plus stillbirths). The definition of a stillbirth was revised in 1963 and 1986 (see Glossary). Population information from BC Stats, Ministry of Citizens' Services. Above information includes late registrations and amendments. Gender unknown included. Non-residents are excluded from all data except marriages.

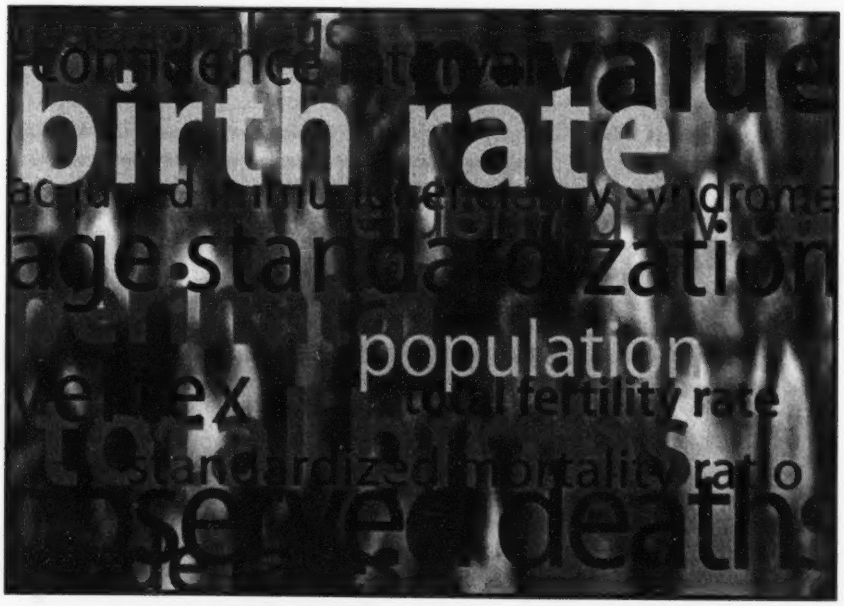

confidence interval
value
birth rate
acquired immunodeficiency syndrome
age standardization
population
total fertility rate
standardized mortality ratio
deaths

TABLE 2
NATURAL POPULATION INCREASES
BRITISH COLUMBIA AND CANADA, 1950–2008

Year	Rate		Year	Rate	
	B.C.	Canada		B.C.	Canada
1950	13.7	18.0	1980	7.9	8.3
1951	14.1	18.2	1981	8.0	8.0
1952	14.7	19.2	1982	8.0	7.9
1953	15.6	19.5	1983	8.2	7.8
1954	15.9	20.3	1984	8.2	7.8
1955	15.9	20.0	1985	7.3	7.5
1956	16.3	19.8	1986	6.9	7.2
1957	16.9	20.0	1987	6.6	7.0
1958	16.8	19.6	1988	6.6	7.0
1959	16.4	19.4	1989	6.5	7.4
1960	15.9	19.0	1990	6.7	7.7
1961	14.8	18.4	1991	6.4	7.4
1962	14.0	17.6	1992	6.2	7.1
1963	13.2	16.8	1993	5.7	6.4
1964	11.4	15.9	1994	5.7	6.1
1965	10.0	13.7	1995	5.4	5.7
1966	8.7	11.9	1996	4.8	5.2
1967	8.6	10.8	1997	4.3	4.4
1968	8.4	10.2	1998	3.8	4.1
1969	8.7	10.3	1999	3.5	3.8
1970	9.3	10.1	2000	3.3	3.9
1971	7.8	9.5	2001	3.0	3.5
1972	7.4	8.5	2002	2.7	3.4
1973	7.1	8.1	2003	2.7	3.4
1974	6.8	8.0	2004	2.6	3.4
1975	7.0	8.5	2005	2.5	3.4
1976	6.9	8.4	2006	2.6	3.7
1977	7.5	8.4	2007	2.9	3.8
1978	7.2	8.1	2008	2.8	3.8
1979	7.5	8.4			

Note: Rates shown are rates of natural population increase per 1,000 population. Canadian rates from Statistics Canada. Non-residents are excluded. Canadian rates from 2000 to 2008 are from BC Stats.

FIGURE 4
TRENDS OF NATURAL POPULATION GROWTH
BRITISH COLUMBIA AND CANADA, 1950–2008

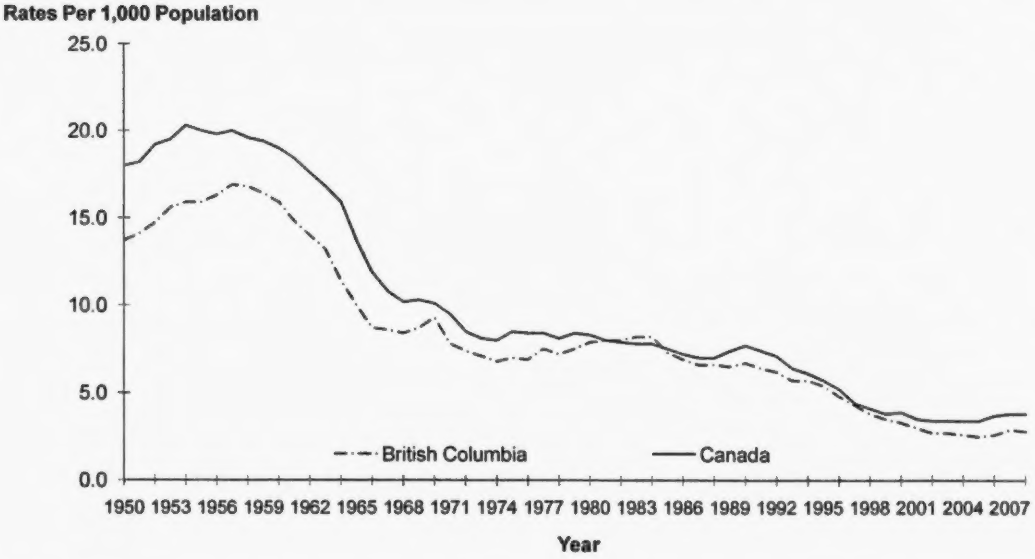
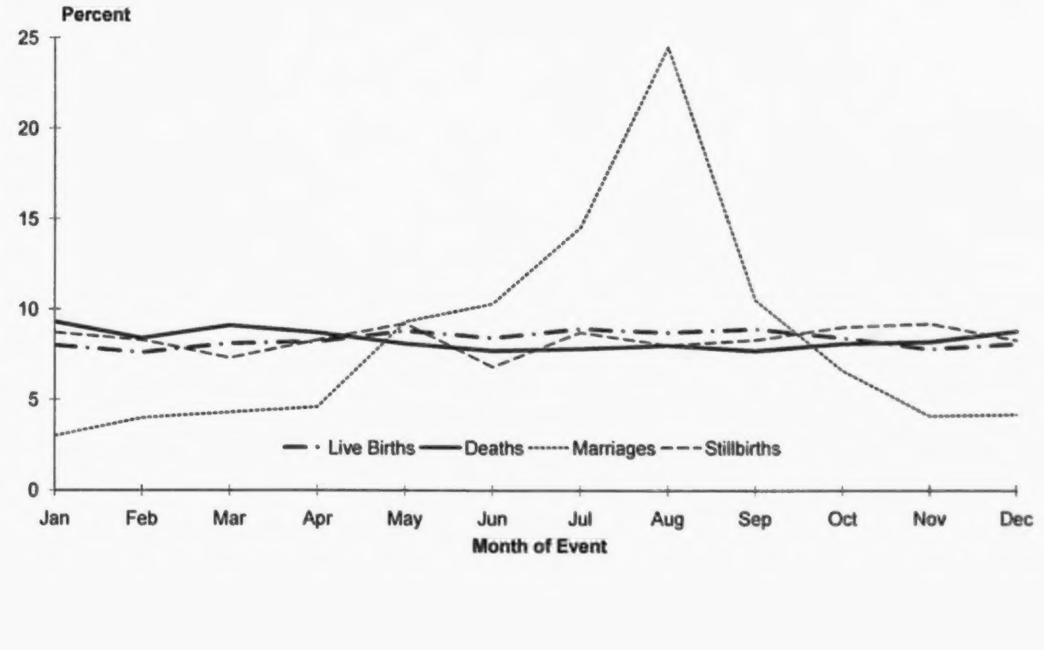


TABLE 3
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH
BRITISH COLUMBIA, 2008

Month	Live Births		Deaths		Marriages		Stillbirths	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
January	3,515	8.0	2,953	9.3	681	3.0	37	8.7
February	3,360	7.6	2,680	8.4	923	4.0	35	8.3
March	3,582	8.1	2,902	9.1	989	4.3	31	7.3
April	3,620	8.2	2,765	8.7	1,064	4.6	35	8.3
May	3,885	8.8	2,591	8.1	2,132	9.3	39	9.2
June	3,707	8.4	2,463	7.7	2,369	10.3	29	6.8
July	3,925	8.9	2,490	7.8	3,329	14.5	37	8.7
August	3,860	8.7	2,556	8.0	5,627	24.5	34	8.0
September	3,932	8.9	2,463	7.7	2,420	10.5	35	8.3
October	3,723	8.4	2,593	8.1	1,511	6.6	38	9.0
November	3,452	7.8	2,631	8.2	944	4.1	39	9.2
December	3,595	8.1	2,805	8.8	971	4.2	35	8.3
Residents*	44,156	100.0	31,892	100.0	22,960	100.0	424	100.0
Non-residents	221		279		*		12	
TOTAL	44,377		32,171		22,960		436	

Note: Total percentage may not add up to 100 due to rounding.
*Marriage counts by month are based on event place and include non-residents.

FIGURE 5
LIVE BIRTHS, DEATHS, MARRIAGES AND STILLBIRTHS BY MONTH
BRITISH COLUMBIA, 2008



Fertility and Live Birth Trends

The Total Fertility Rate (TFR) in Table 4 is the number of births 1,000 women can expect during their child bearing years, that is, from 15 to 44 years of age. It is described more fully in the *Glossary* and an example of the calculation method is shown in the *Methodology* section.

The fertility rate in BC today is about half the 1950s rate. Shortly after World War II, fertility began to increase, commonly referred to as the post-war baby boom. As shown in Table 4, fertility rates increased from 1950 to 1960 after which there was a sharp decline until the late 1970s. Since then the declining trend has continued more slowly, with some fluctuations, until 2008. Figure 6 shows that slow decline over the last two decades. Fertility by Local Health Areas and among teenagers is analysed in Table 10 and Figure 29 respectively.

In addition to trends in Total Fertility Rates, this section discusses trends in maternal age, multiple births, low birth weight, and cesarean section deliveries.

Figure 7 shows annual percentages of live births to women in three age groups for the years 1986-2008. The oldest group (aged 35 years or more) is gradually increasing its percentage compared to the two younger groups (less than 20 years and 20 to 34 years old). The average age at which women are bearing children is increasing, but still about three quarters of live births are to women in the 20-34 years age group. Maternal age is related to other important birth characteristics and is a component of several tables in the birth related statistics section of this report.

As illustrated by Figure 8, the percentage of births that are multiple births has increased substantially between 1986 and 2008. Multiple birth infants have a higher risk of being preterm, having low birth weight, suffering perinatal death or illness than singletons[1] . Multiple birth infants accounted for 1.9 percent of all live births in 1986 and 2.9 percent in 2008. This was a statistically significant increase at the 95 percent level.

Figures 9 and 10 both illustrate the occurrence of Low Birth Weight (LBW) live births (those births with a birth weight of less than 2,500 grams) over the period 1986-2008. Figure 9 shows both the counts of such births and the rates per 1,000 live births for all mothers. Figure 10 shows the rate per 1,000 live births for mothers 35 years and older. While LBW rates increased gradually from 46.9 in 1986 to 54.4 per 1,000 live births in 2008. The rate in older mothers has increased more sharply from 44.9 in 1986 to 65.7 per 1,000 live births in 2008. The trend in each of these graphs is statistically significant at the 95 percent level.

Three relevant indicators are presented in Figures 11, 12, and 13. The upward trend in the cesarean section rates since 1986 (Figure 11) is statistically significant at the 95 percent level. The rates appear to have levelled slightly in the previous five years. Cesarean sections by HSDA varied considerably in 2008 (Figure 12) from a low of 24.5 percent of live births to residents of HSDA 51 - Northwest to a high of 33.2 percent of live births to Fraser North residents.

An important consideration regarding cesarean sections is the age of the mother. There were clear differences between age groups (Figure 13), with cesarean rates highest for mothers aged 35 or older and lowest for teen mothers. All age groups showed upward trends that were statistically significant at the 95 percent level. The difference between rates also appears to be increasing over the twenty-two year period.

Cesarean deliveries are shown in relation to other modes of delivery in Table 11 and by LHA in Table 12 and Figure 30.

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[1] http://www.multiplebirthscanada.org/english/documents/low_birth_bro_final2005.pdf.

TABLE 4
TOTAL FERTILITY RATES
BRITISH COLUMBIA, 1950–2008

Year	Total Fertility Rate	Live Births	Year	Total Fertility Rate	Live Births
1950	3,074	27,116	1980	1,716	40,104
1951	3,201	28,077	1981	1,718	41,679
1952	3,327	29,827	1982	1,749	42,942
1953	3,542	31,746	1983	1,751	43,047
1954	3,656	32,946	1984	1,781	44,040
1955	3,748	34,138	1985	1,642	42,989
1956	3,875	36,241	1986	1,603	41,712
1957	3,921	38,744	1987	1,606	41,610
1958	3,900	39,577	1988	1,635	42,860
1959	3,958	39,971	1989	1,637	43,587
1960	3,949	40,116	1990	1,670	45,348
1961	3,785	38,591	1991	1,660	45,346
1962	3,709	38,128	1992	1,655	46,008
1963	3,564	37,478	1993	1,633	45,925
1964	3,284	35,897	1994	1,640	46,816
1965	2,710	33,669	1995	1,610	46,680
1966	2,442	32,502	1996	1,544	45,946
1967	2,307	32,899	1997	1,480	44,387
1968	2,228	33,687	1998	1,446	42,860
1969	2,223	35,383	1999	1,419	41,736
1970	2,185	36,861	2000	1,387	40,491
1971	1,994	34,852	2001	1,386	40,380
1972	1,890	34,563	2002	1,381	39,896
1973	1,751	34,352	2003	1,409	40,302
1974	1,735	35,450	2004	1,416	40,330
1975	1,682	36,281	2005	1,429	40,658
1976	1,618	35,848	2006	1,457	41,606
1977	1,636	36,691	2007	1,502	43,522
1978	1,620	37,231	2008	1,498	44,156
1979	1,721	38,432			

Note: Total Fertility Rate – Sum of age-specific fertility rates multiplied by the number of years in each age group (see Glossary for definition). Rates per 1,000 women age 15 to 44. Non-residents are excluded.

FIGURE 6
TOTAL FERTILITY RATES AND NUMBER OF LIVE BIRTHS
BRITISH COLUMBIA, 1986–2008

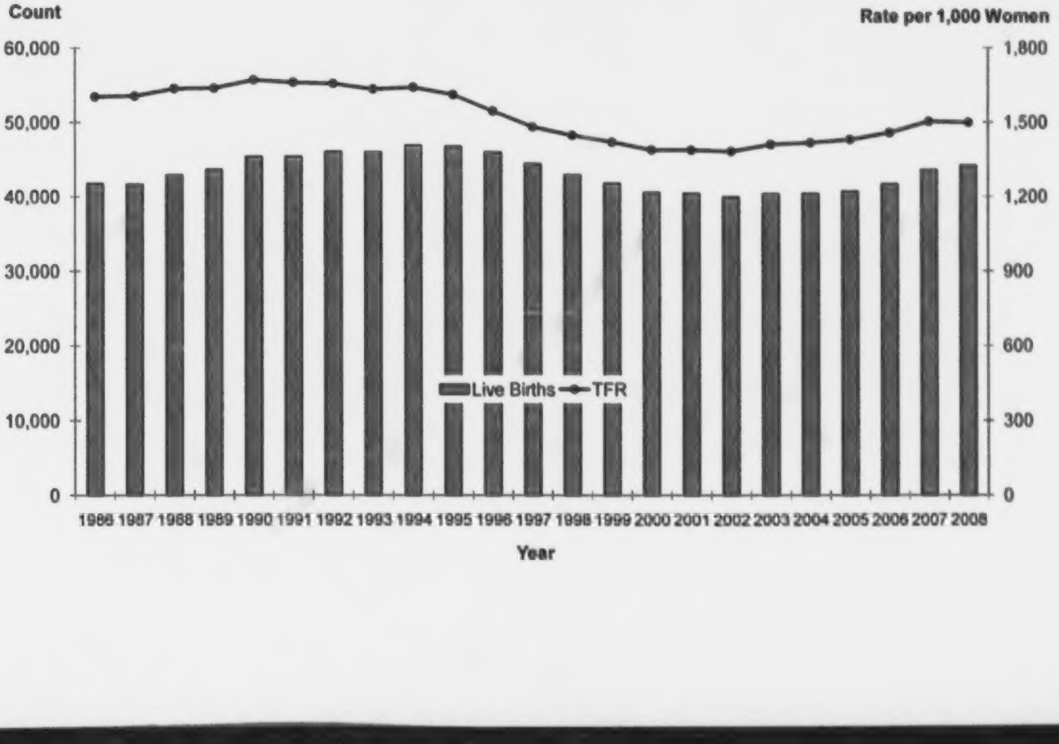


Figure 7
LIVE BIRTHS BY AGE OF MOTHER
British Columbia, 1986–2008

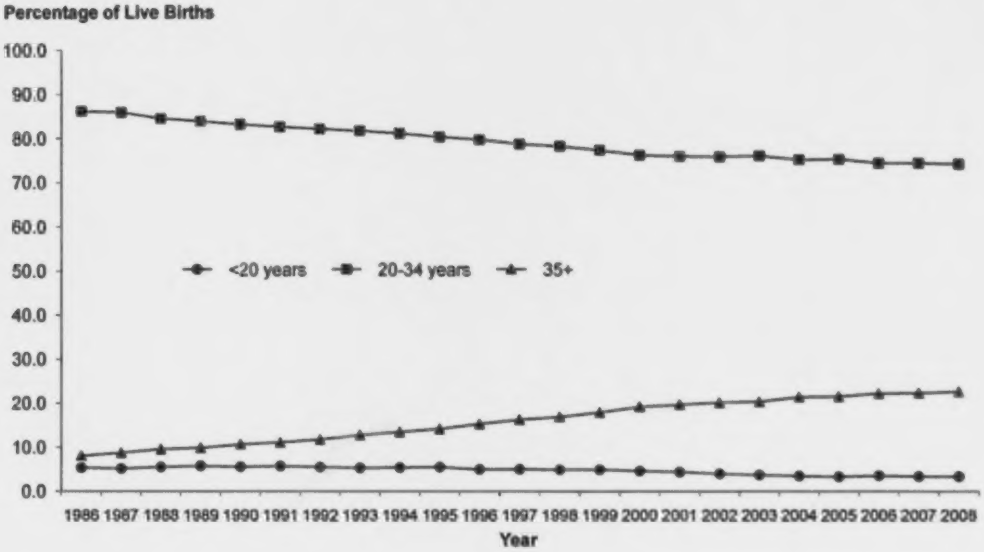


Figure 8
MULTIPLE BIRTHS AS A PERCENTAGE OF LIVE BIRTHS
British Columbia, 1986–2008

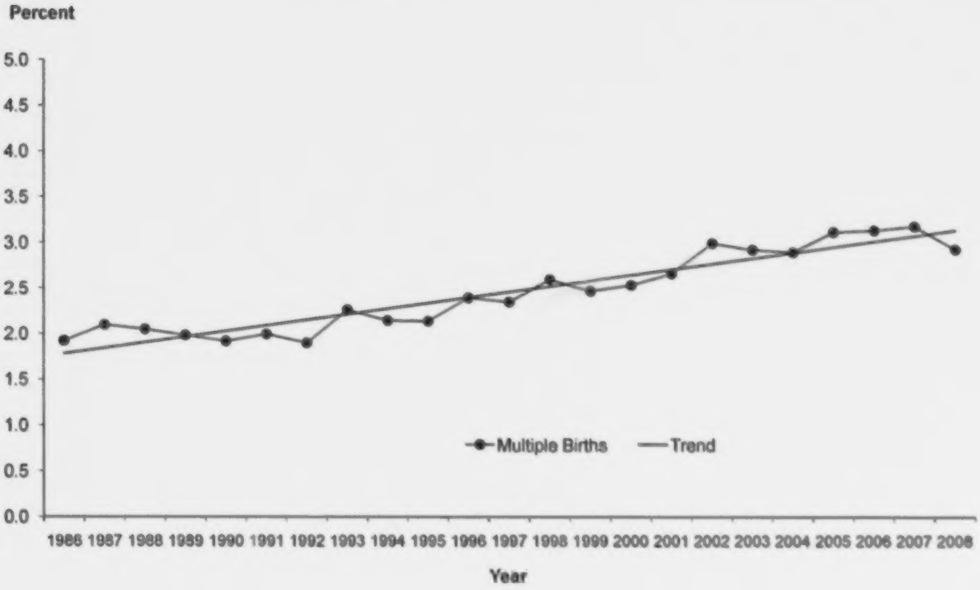


FIGURE 9

LOW BIRTH WEIGHT LIVE BIRTHS

BRITISH COLUMBIA, 1986–2008

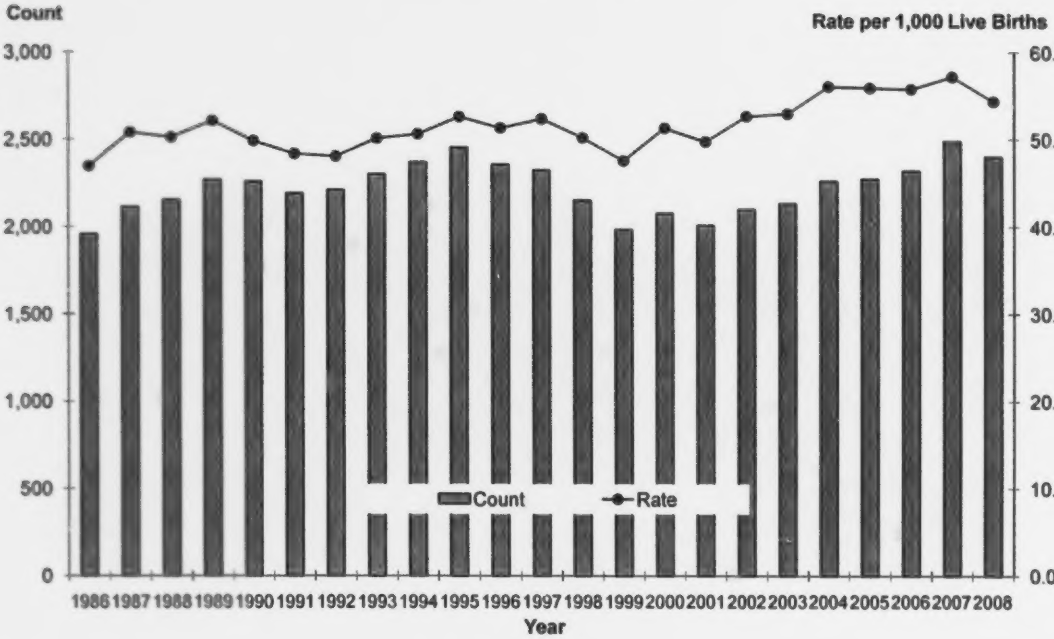


FIGURE 10

LOW BIRTH WEIGHT LIVE BIRTHS FOR MOTHERS AGED 35+

BRITISH COLUMBIA, 1986–2008

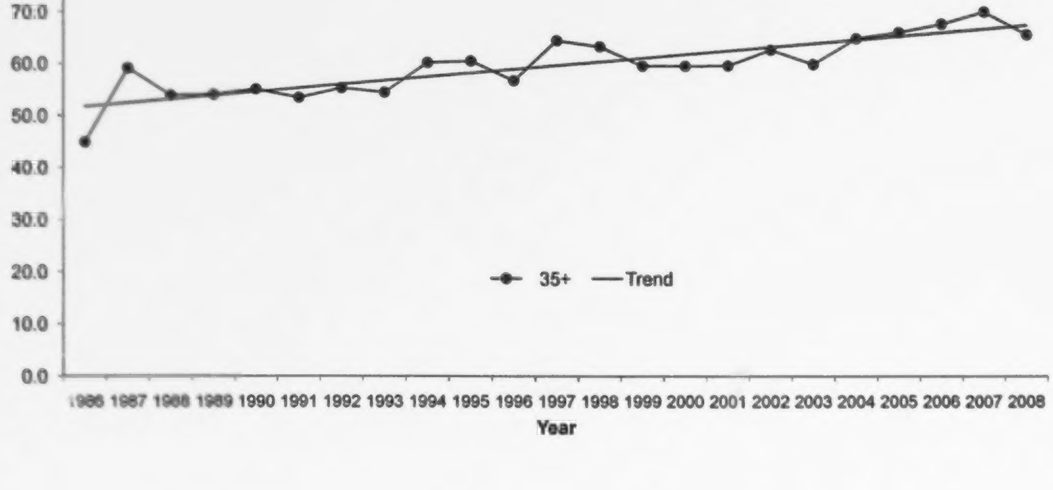


FIGURE 11

CESAREAN SECTIONS

BRITISH COLUMBIA, 1986–2008

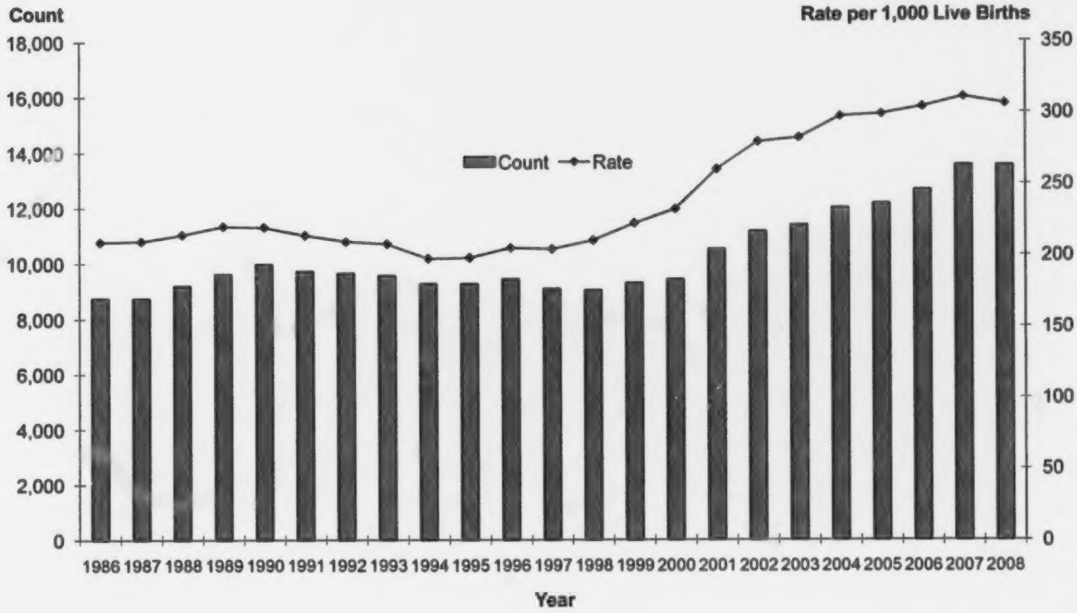


FIGURE 12

CESAREAN SECTIONS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2008

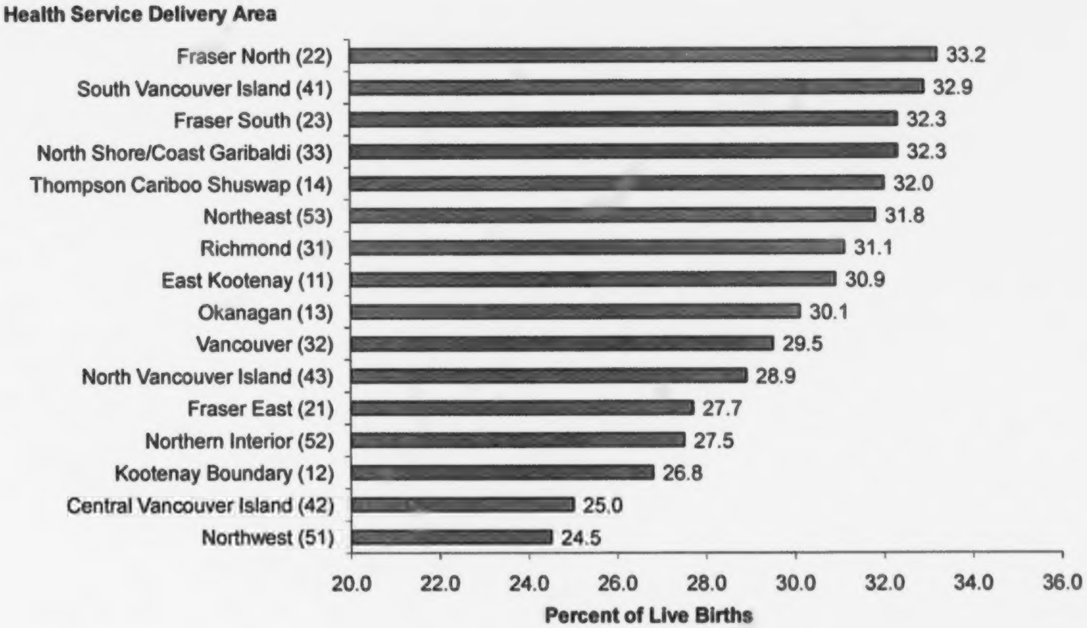
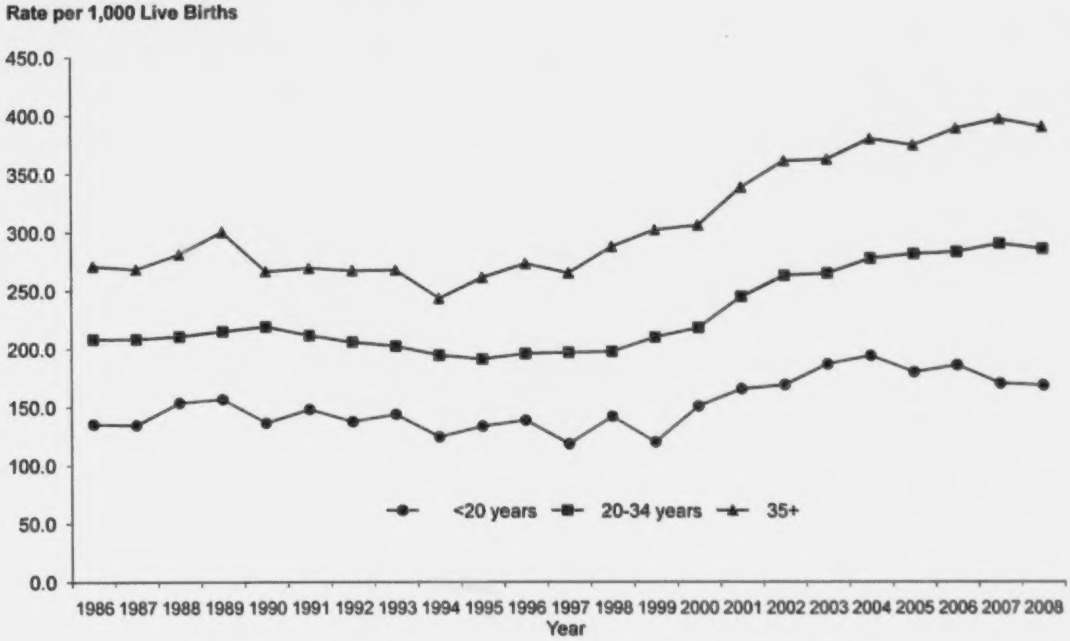


Figure 13

CESAREAN SECTIONS BY AGE OF MOTHER

British Columbia, 1986–2008



Infant Mortality Trends

Table 5 shows the number of infants in BC who died before their first birthday in the years 1965-2008. Also shown are the rates at which these deaths occurred per 1,000 live births and similar rates for Canada. The infant death rate in Canada and BC decreased to around one fifth of the 1965 level by 2008. When these deaths are broken into three ranges according to the infant's age when the death occurred, it is clear that well over half of all infant deaths occur in the first six days of life. The *Glossary* defines the various divisions of infant deaths according to the infant's age.

For most of the time period covered by Table 5, there are comparable data at the Canadian level. Until 1991, Canada's and BC's infant mortality rates were similar. Since then BC's rate of infant mortality has been lower than the overall Canadian rate.

Figure 14 clearly illustrates the downward trends in both the number and the rate of infant deaths over the past 20 years. Both trends are statistically significant at the 95 percent level.

Figure 15 and 16 show that historically infant mortality rates have been relatively high among teenage mothers, although only a small proportion (6.1 percent) of total infant deaths in 2008 were babies born to these young women. A downward trend in infant mortality rates in all age groups is seen in Figure 15. Each of these trends is statistically significant at the 95 percent level.

More information about infant mortality can be seen in the infant mortality section of death related statistics in this report.

FIGURE 14
INFANT MORTALITY
BRITISH COLUMBIA, 1986–2008

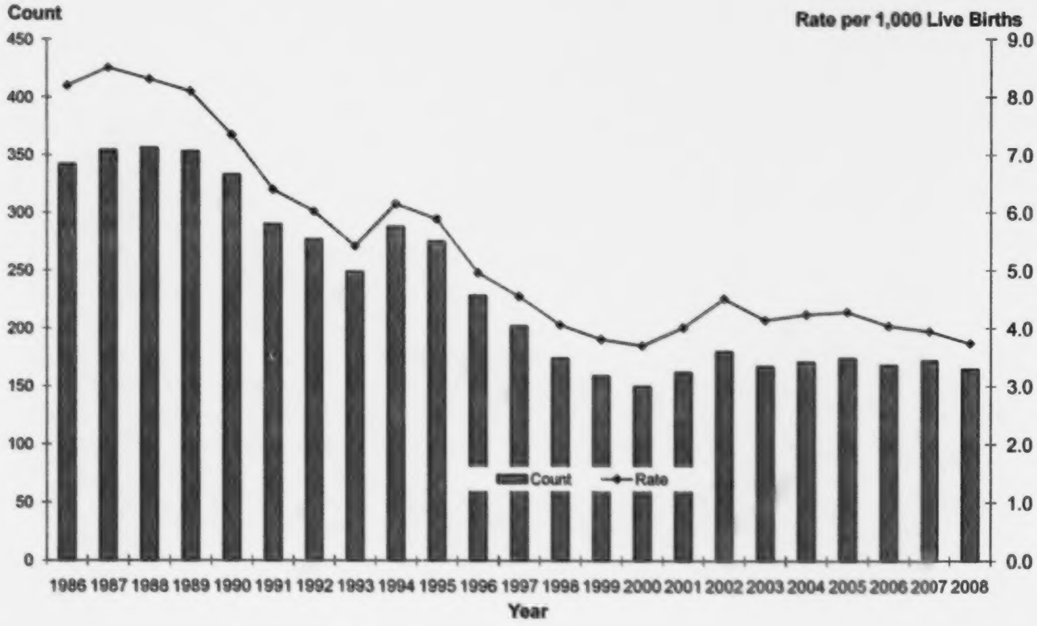


TABLE 5

INFANT MORTALITY

BRITISH COLUMBIA AND CANADA, 1965–2008

Year	British Columbia Age at Death (in Days)									Canada
	0–6 Days		0–27 Days		28–364 Days			Total		
	Number	Rate	Number	Rate	Number	Rate	N.S.	Number	Rate	Rate
1965	415	12.33	453	13.45	227	6.74	3	683	20.29	24.0
1966	435	13.38	494	15.20	263	8.09	4	761	23.41	23.1
1967	429	13.04	470	14.29	218	6.63	1	689	20.94	22.0
1968	375	11.13	438	13.00	214	6.35	4	656	19.47	21.0
1969	329	9.30	374	10.57	199	5.62	-	573	16.19	19.0
1970	369	10.01	416	11.29	193	5.24	2	611	16.58	19.0
1971	409	11.74	450	12.91	185	5.31	-	635	18.22	17.5
1972	322	9.32	373	10.79	195	5.64	1	569	16.46	17.0
1973	317	9.23	363	10.57	185	5.39	3	551	16.04	16.0
1974	310	8.74	348	9.82	196	5.53	2	546	15.40	15.0
1975	278	7.66	321	8.85	169	4.66	1	491	13.53	14.3
1976	292	8.15	324	9.04	152	4.24	2	478	13.33	13.5
1977	246	6.70	276	7.52	200	5.45	-	476	12.97	12.4
1978	245	6.58	286	7.68	178	4.78	-	464	12.46	12.0
1979	196	5.10	239	6.22	167	4.35	-	406	10.56	10.9
1980	188	4.69	235	5.86	186	4.64	-	421	10.50	10.4
1981	232	5.57	259	6.21	140	3.36	3	402	9.65	9.6
1982	217	5.05	251	5.85	150	3.49	-	401	9.34	9.1
1983	193	4.48	212	4.92	145	3.37	2	359	8.34	8.5
1984	184	4.18	205	4.65	150	3.41	1	356	8.08	8.1
1985	180	4.19	198	4.61	133	3.09	-	331	7.70	8.0
1986	164	3.93	195	4.67	147	3.52	-	342	8.20	7.9
1987	158	3.80	194	4.66	160	3.85	-	354	8.51	7.3
1988	191	4.46	220	5.13	136	3.17	-	356	8.31	7.2
1989	186	4.27	215	4.93	138	3.17	-	353	8.10	7.3
1990	183	4.04	221	4.87	112	2.47	-	333	7.34	6.8
1991	140	3.09	164	3.62	126	2.78	-	290	6.40	6.4
1992	153	3.33	173	3.76	104	2.26	-	277	6.02	6.1
1993	121	2.63	139	3.03	110	2.40	-	249	5.42	6.3
1994	175	3.74	198	4.23	90	1.92	-	288	6.15	6.3
1995	158	3.38	181	3.88	94	2.01	-	275	5.89	6.1
1996	133	2.89	160	3.48	68	1.48	-	228	4.96	5.6
1997	125	2.82	146	3.29	56	1.26	-	202	4.55	5.5
1998	94	2.19	114	2.66	60	1.40	-	174	4.06	5.3
1999	87	2.08	108	2.59	51	1.22	-	159	3.81	5.3
2000	84	2.07	105	2.59	45	1.11	-	150	3.70	5.3
2001	103	2.55	126	3.12	36	0.89	-	162	4.01	5.2
2002	98	2.46	126	3.16	54	1.35	-	180	4.51	5.4
2003	104	2.58	120	2.98	47	1.17	-	167	4.14	5.3
2004	108	2.68	122	3.03	49	1.21	-	171	4.24	5.3
2005	104	2.56	124	3.05	50	1.23	-	174	4.28	5.4
2006	83	1.99	118	2.84	50	1.20	-	168	4.04	5.0
2007	98	2.25	114	2.62	58	1.33	-	172	3.95	5.1
2008	87	1.97	107	2.42	58	1.31	-	165	3.74	*

Note: Rates per 1,000 live births in the specified year.
N.S. – Not stated.
Above information includes late registrations and amendments.
Canadian rates from Statistics Canada.
*Rates were not available.
Non-residents are excluded.

FIGURE 15
INFANT MORTALITY BY AGE OF MOTHER
BRITISH COLUMBIA, 1986–2008

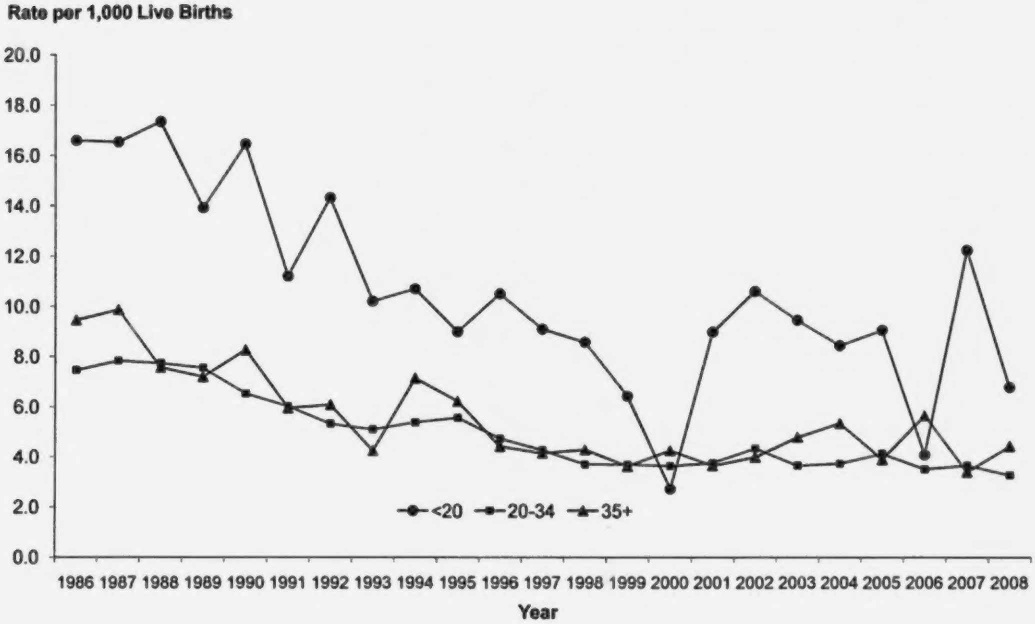
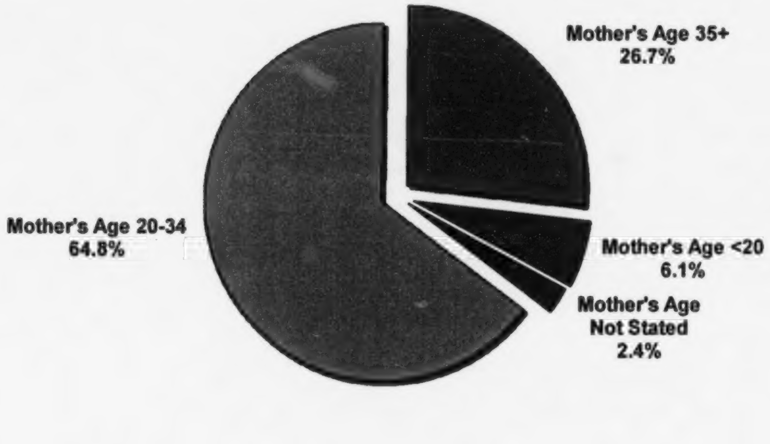


FIGURE 16
PERCENTAGE OF INFANT MORTALITY BY AGE OF MOTHER
BRITISH COLUMBIA, 2008



Death Trends

This section begins with an examination of counts and rates for all causes of death since 1986. This is followed by information on the average age at death, and cause of death trends for malignant neoplasms (cancer), endocrine, nutritional and metabolic diseases, nervous system diseases, cardiovascular diseases, cerebrovascular diseases, and motor vehicle accidents.

Note that all causes are based on the Underlying Cause of Death (UCOD), which is explained in the *Glossary*. While other causes may have contributed to the death, the underlying cause is defined as the condition or injury that initiated the train of events leading directly to death.

While Figure 17 shows an increase in the absolute number of deaths from 1986 to 2008, the standardized rate has been steadily declining. The provincial Age-Standardized Mortality Rate (ASMR) has been on a downward trend since 1986. The trend is not only statistically significant at the 95 percent level, but reached a historic low in 2008.

The rates are quoted per 10,000 population and have been age-standardized to the 1991 Canada census population distribution. See the *Glossary* for an explanation of ASMR and the *Methodology* section for an example of the calculation method.

Figure 18 shows that the average age at death among British Columbians has reached an all time high in 2008 at 75.8 years. The trend indicates an increase over the 1986 to 2008 time period, and this trend is statistically significant at the 95 percent level. It should be noted that average age at death is the arithmetic average of the ages at which people died and is not equivalent to Life Expectancy which is explained in the *Glossary*.

Figures 19 through 27 refer to selected major causes of death categories. Figures 19, 20, and 21 illustrate trends in cancer death and rates. The death rates are expressed as ASMRs.

Figure 19 shows that in the years 1986 to 2008, while the number of deaths due to all types of cancer (malignant neoplasms, ICD-10 codes C00-C97) steadily climbed, the ASMR has fallen. Thus, while cancer death incidence climbed, the size of the British Columbian population climbed at an even faster pace.

Figure 20 is a similar graph showing incidence and death rates due to lung cancer (malignant neoplasms of trachea and lung, ICD-10 codes C33-C34). The lung cancer death rate in BC has been falling while the number of lung cancer deaths has increased since 1986.

Figure 21 provides further detail by gender for the lung cancer information shown in Figure 20. The falling trend in lung cancer deaths overall is being driven by the strong decline in lung cancer deaths among men, as there is a gradually increasing trend in the rate of lung cancer deaths among women. The declining trend in lung cancer deaths among men and the increasing trend in lung cancer deaths in women are both statistically significant at the 95 percent level. Deaths due to cancer are shown in the context of other causes of death in tables 21, 22, and 23 in the death-related statistics section of this report.

Deaths due to endocrine, nutritional and metabolic diseases in Figure 22 (ICD-10 codes E00-E89) include diseases such as diabetes and cystic fibrosis. A comprehensive list of diseases in this category is provided in *Appendix 2 - Detailed Cause of Death by Age and Gender*. The death rates and counts for these conditions increased during the period from 2000 to 2005 with a slight decline between 2006 and 2008.

Diabetes mellitus mortality in 2008, as shown in Figure 23, is about 3.0 times that of 1986 in absolute terms, but the ASMR is only 1.5 times greater over the period.

Deaths due to diseases of the nervous system are shown in Figure 24 and include causes such as Alzheimer's disease, Parkinson's disease, and multiple sclerosis – a comprehensive list of diseases in this category appears in Appendix 2 under ICD-10 codes G00-G99. The number and rate of these deaths increased between 1986 and 2001. From 2001 to 2005 the number levelled off and the rate declined followed by a slight increase for both the number and rate through to 2008. The increasing overall trend from 1986 to 2008 was statistically significant at the 95 percent level.

Figure 25 shows numbers of cardiovascular disease deaths (ICD-10 codes I00-I51) and death rates per 10,000 standard population from 1986 to 2008. While the incidence numbers rose from 1986 to 1996 and then generally declined, the death rate has been steadily falling since 1986. This declining trend is statistically significant at the 95 percent level. See Tables 22 and 23 to compare cardiovascular disease deaths in the context of other causes of death.

Cerebrovascular diseases shown in Figure 26 include ICD-10 codes I60-I69. While the number of people dying from these diseases increased, the standardized rate gradually decreased between 1986 and 2008. This decreasing ASMR trend is statistically significant at the 95 percent level.

In Figure 27 the incidence and death rates for motor vehicle accidents over the period 1986 to 2008 declined. The downward ASMR trend is statistically significant at the 95 percent level. Although motor vehicle deaths have, on average since 2000, accounted for about 1.4 percent of all deaths, a substantial share of deaths due to motor vehicle accidents are among young British Columbians and as such they remain a concern. See Tables 34 and 35.

FIGURE 17

DEATHS AND DEATH RATES, ALL CAUSES OF DEATH

BRITISH COLUMBIA, 1986–2008

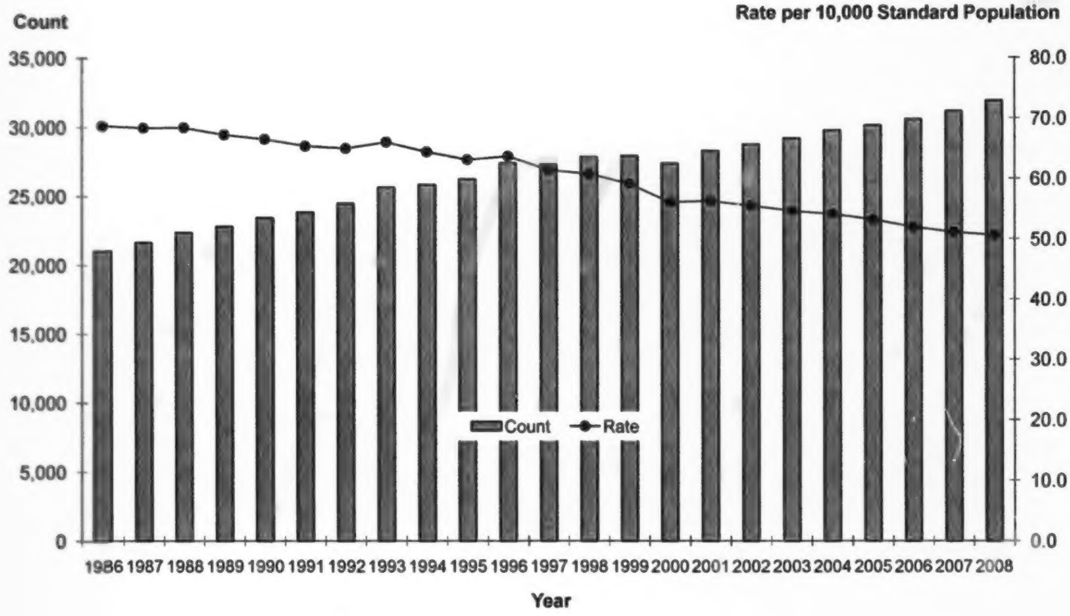
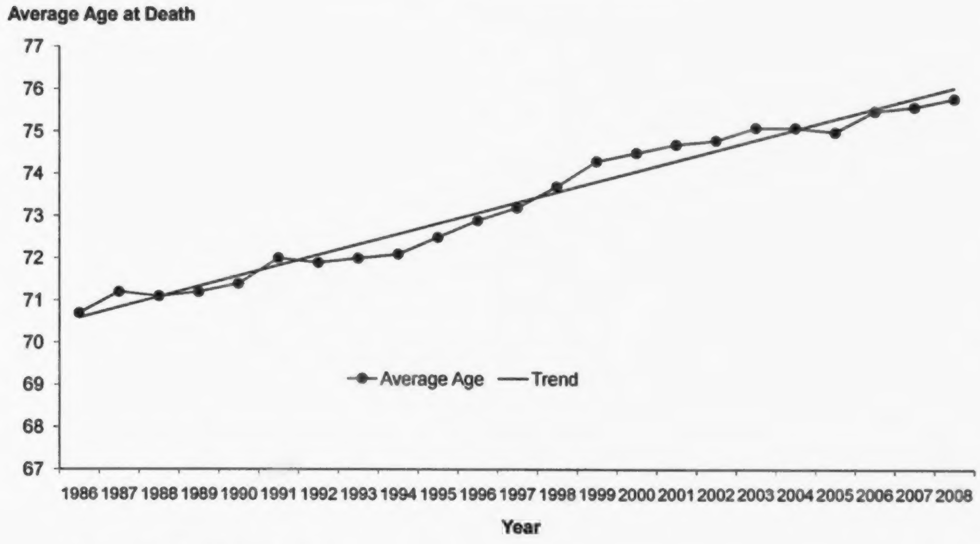


FIGURE 18
AVERAGE AGE AT DEATH
BRITISH COLUMBIA, 1986–2008



Based on 5 year age groups to 85+

FIGURE 19
DEATHS AND DEATH RATES, MALIGNANT NEOPLASMS (CANCER)
BRITISH COLUMBIA, 1986–2008

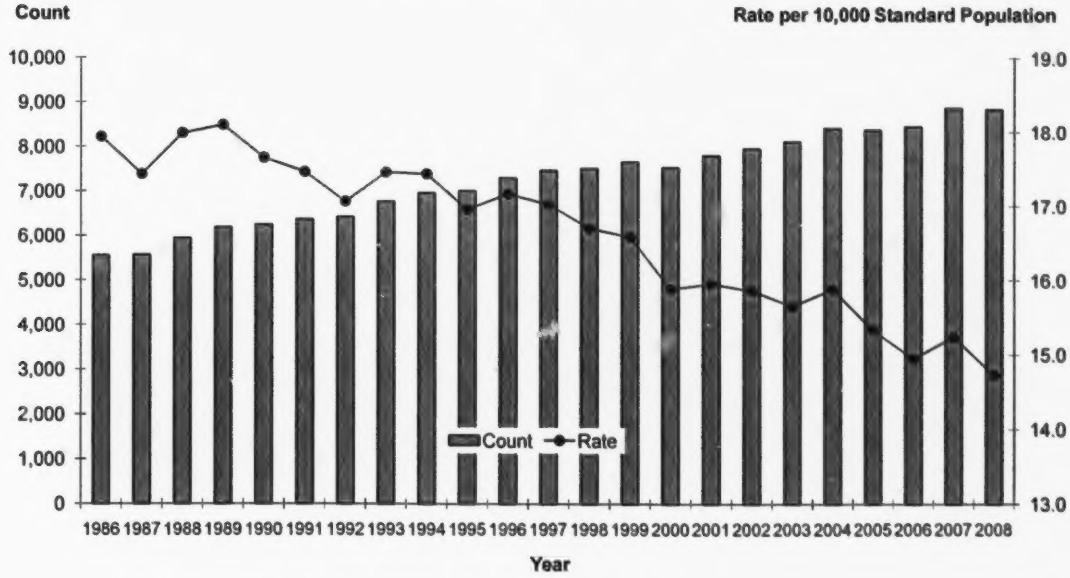


FIGURE 20
DEATHS AND DEATH RATES, MALIGNANT NEOPLASM OF LUNG
BRITISH COLUMBIA, 1986-2008

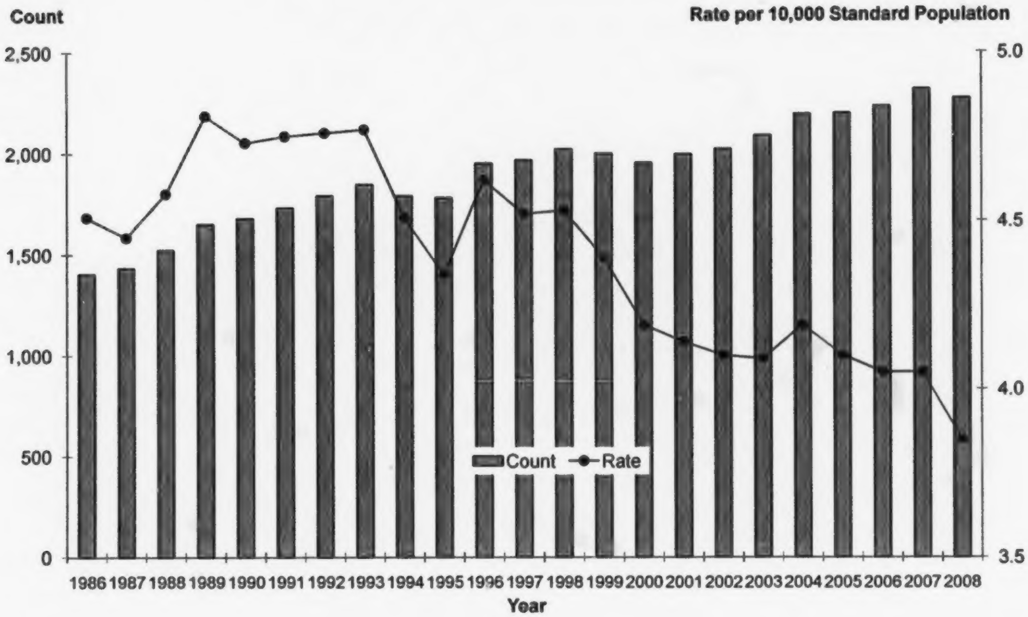


FIGURE 21
DEATH RATES BY GENDER, MALIGNANT NEOPLASM OF LUNG
BRITISH COLUMBIA, 1986-2008

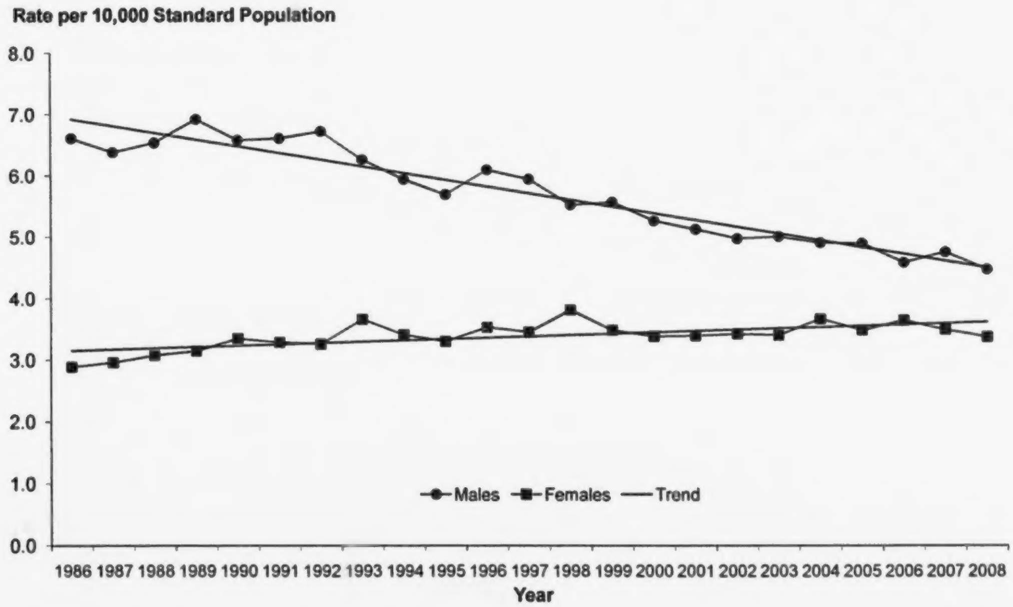


FIGURE 22
DEATHS AND DEATH RATES, ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES
BRITISH COLUMBIA, 1986-2008

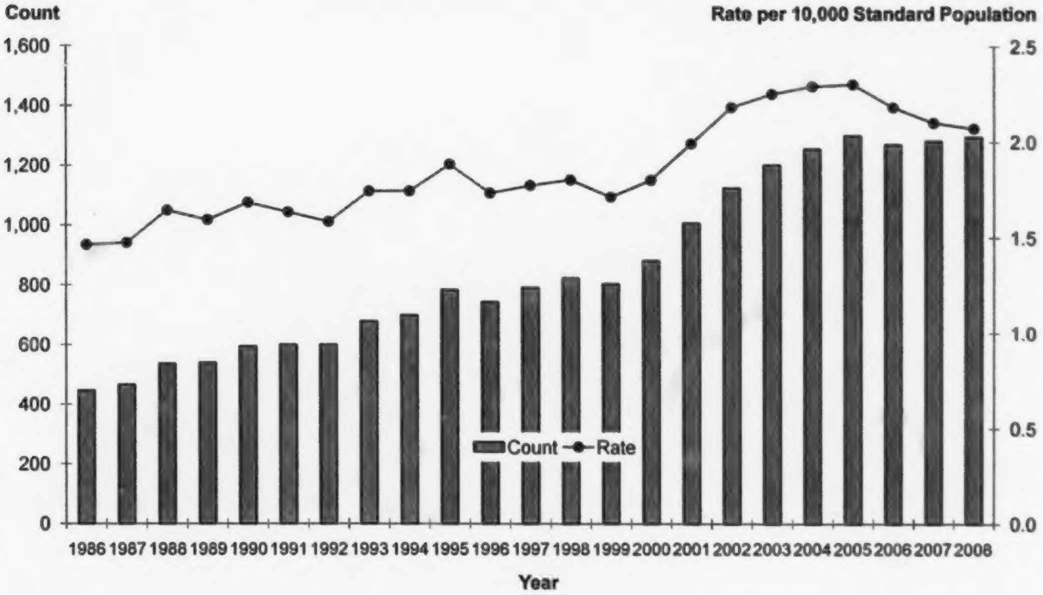


FIGURE 23
DEATHS AND DEATH RATES, DIABETES MELLITUS
BRITISH COLUMBIA, 1986–2008

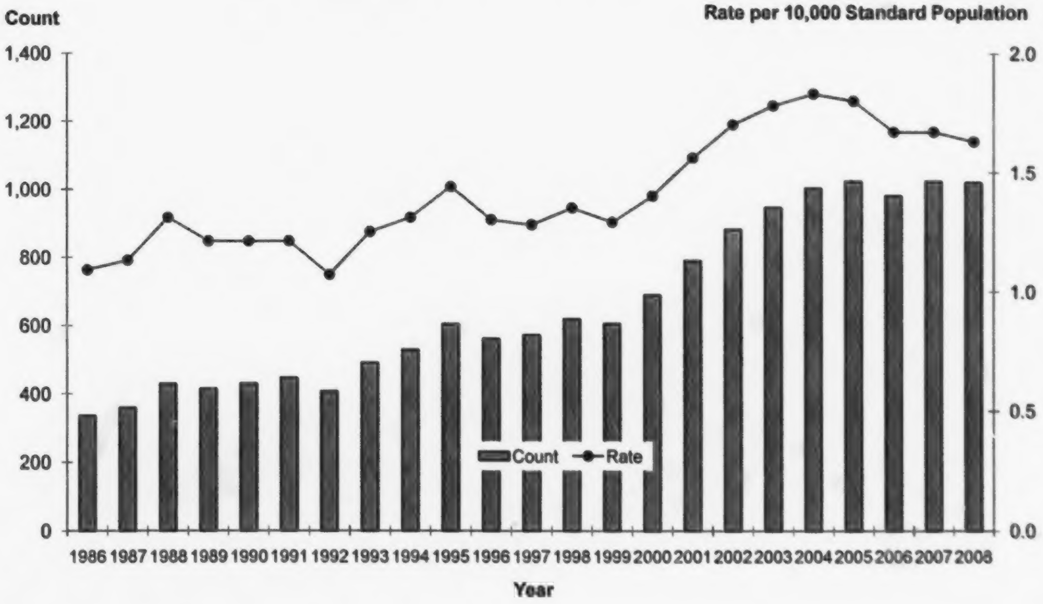


FIGURE 24

DEATHS AND DEATH RATES, NERVOUS SYSTEM DISEASES

BRITISH COLUMBIA, 1986-2008

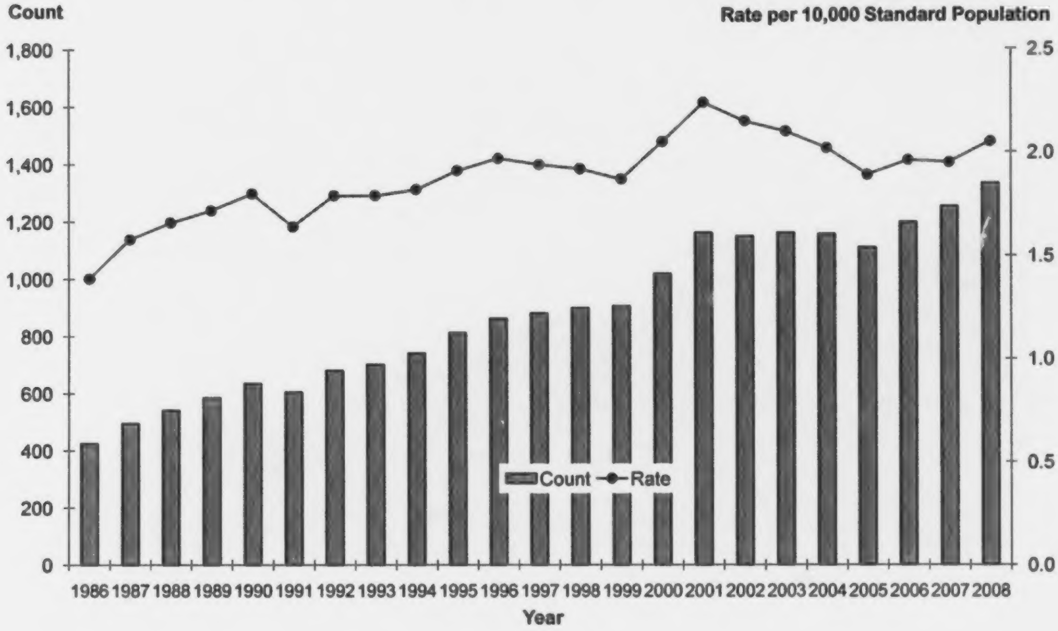


FIGURE 25

DEATHS AND DEATH RATES, CARDIOVASCULAR DISEASE

BRITISH COLUMBIA, 1986-2008

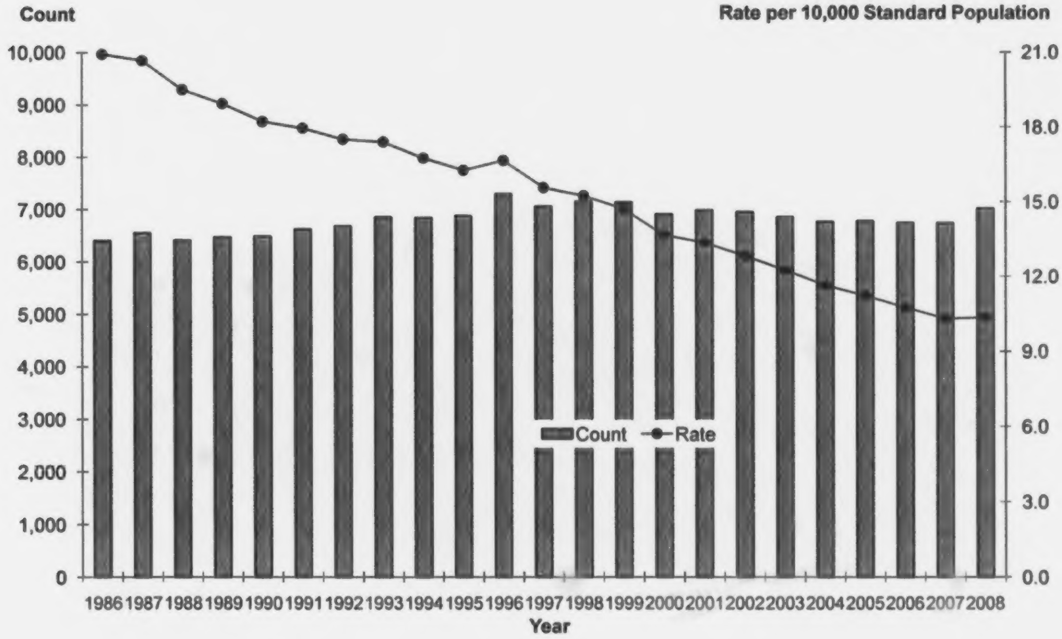


FIGURE 26

DEATHS AND DEATH RATES, CEREBROVASCULAR DISEASES

BRITISH COLUMBIA, 1986-2008

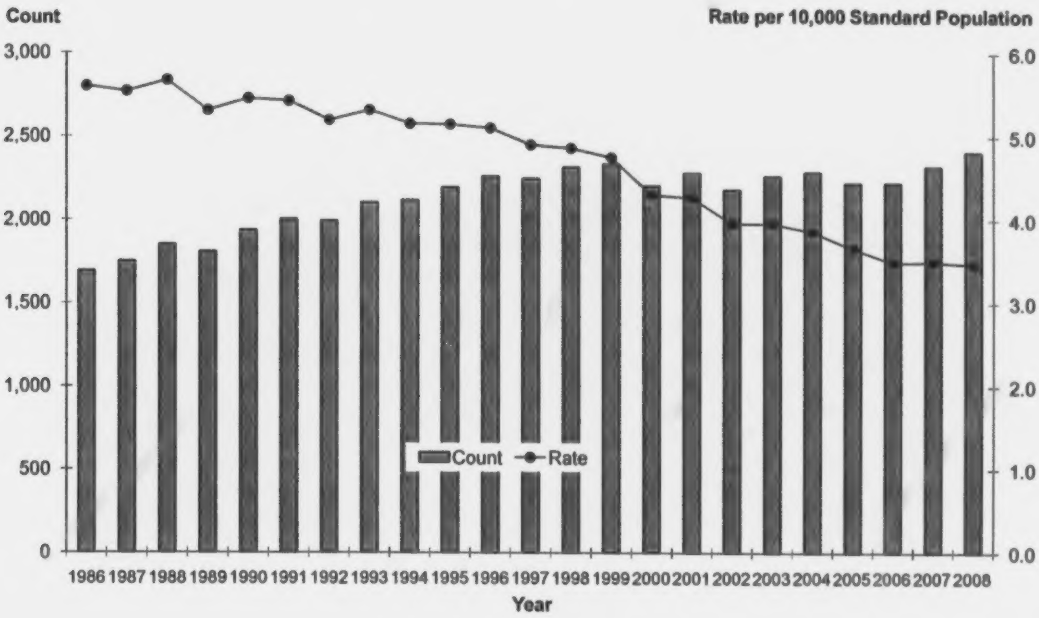
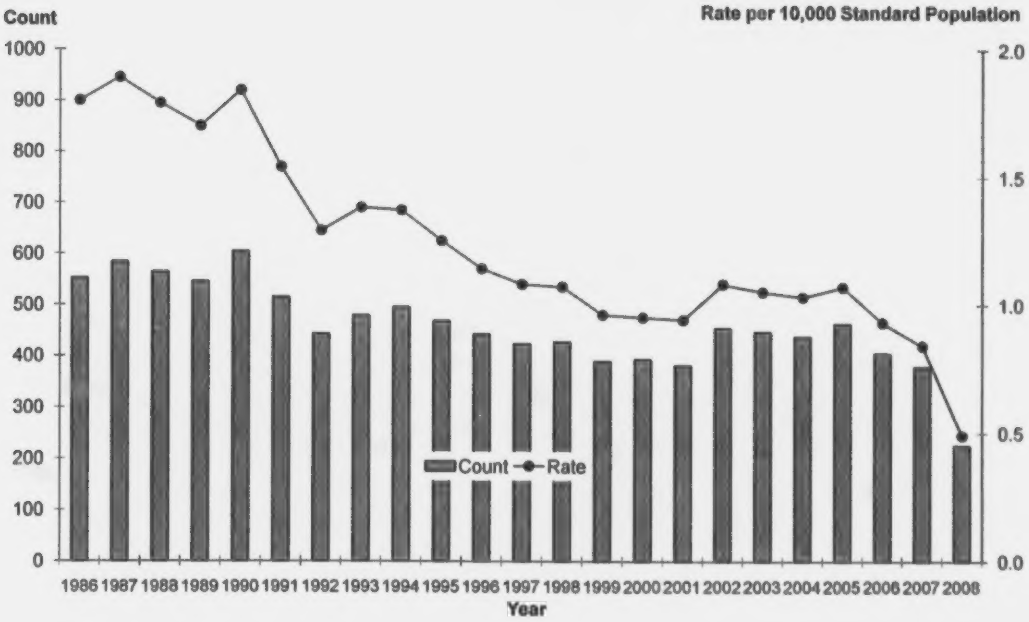


FIGURE 27

DEATHS AND DEATH RATES, MOTOR VEHICLE ACCIDENTS

BRITISH COLUMBIA, 1986–2008



Marriage Trends

Table 6 and Figure 28 display the average age at which men and women get married. Between 1977 and 2008, the average age for first marriages increased by 5.7 years for men, and by 6.5 years for women.

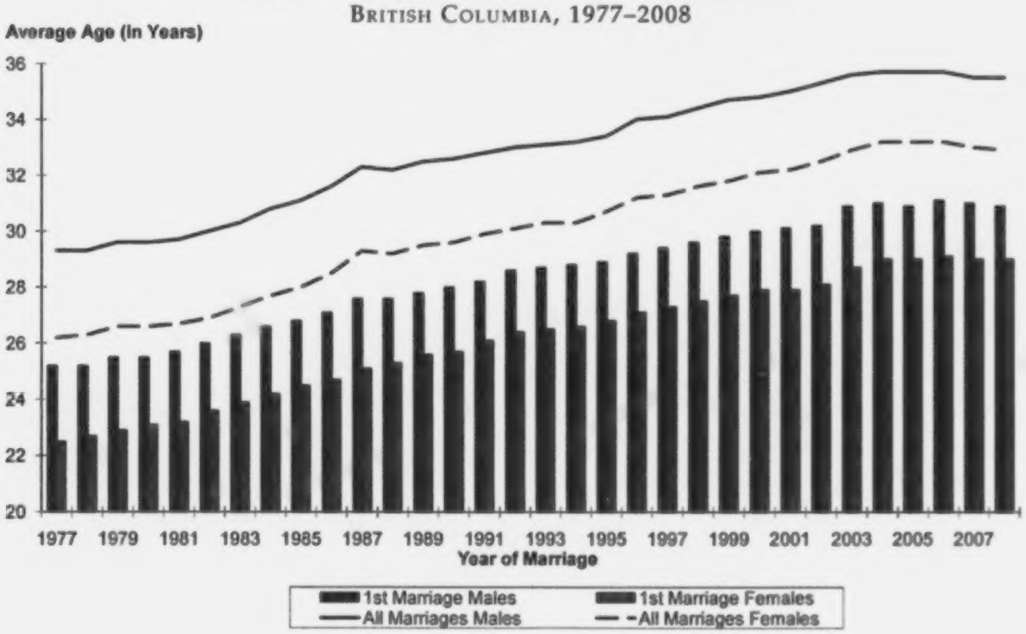
The average age for all marriages increased from 29.3 years to 35.5 years for men and from 26.2 years to 32.9 years for women over the last thirty-two years.

Over that same time period the average age of men marrying tended to be 2 to 3 years older than the average age of women marrying. Generally, the age difference at which men and women marry has been greater for all marriages than for first marriages.

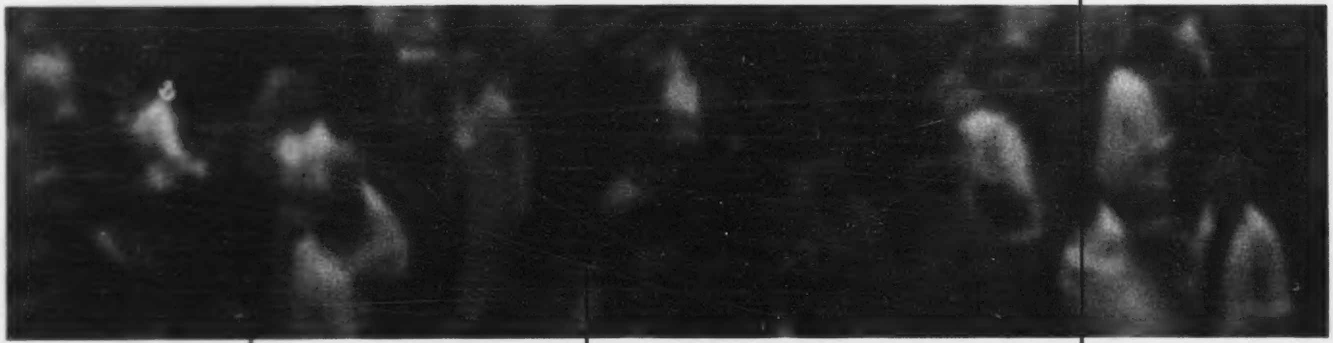
TABLE 6
AGE OF FIRST AND ALL MARRIAGES
BRITISH COLUMBIA, 1977–2008

Year of Marriage	Average Age (in Years)			
	First Marriage		All Marriages	
	Males	Females	Males	Females
1977	25.2	22.5	29.3	26.2
1978	25.2	22.7	29.3	26.3
1979	25.5	22.9	29.6	26.6
1980	25.5	23.1	29.6	26.6
1981	25.7	23.2	29.7	26.7
1982	26.0	23.6	30.0	26.9
1983	26.3	23.9	30.3	27.3
1984	26.6	24.2	30.8	27.7
1985	26.8	24.5	31.1	28.0
1986	27.1	24.7	31.6	28.5
1987	27.6	25.1	32.3	29.3
1988	27.6	25.3	32.2	29.2
1989	27.8	25.6	32.5	29.5
1990	28.0	25.7	32.6	29.6
1991	28.5	25.5	32.8	29.9
1992	28.5	26.9	33.0	30.1
1993	28.7	26.5	33.1	30.3
1994	28.8	26.6	33.2	30.3
1995	28.9	26.8	33.4	30.7
1996	29.2	27.1	34.0	31.2
1997	29.4	27.3	34.1	31.3
1998	29.6	27.5	34.4	31.6
1999	29.8	27.7	34.7	31.8
2000	30.0	27.9	34.8	32.1
2001	30.1	27.9	35.0	32.2
2002	30.2	28.1	35.3	32.5
2003	30.9	28.7	35.6	32.9
2004	31.0	29.0	35.7	33.2
2005	30.9	29.0	35.7	33.2
2006	31.1	29.1	35.7	33.2
2007	31.0	29.0	35.5	33.0
2008	30.9	29.0	35.5	32.9

FIGURE 28
AGE OF FIRST AND ALL MARRIAGES
BRITISH COLUMBIA, 1977–2008



Birth-related Statistics



Birth Introduction

Statistics based on birth events form a crucial part of the demographic profile of communities, regions, provinces, and countries. They are used to derive important indicators of health status, fertility, infant mortality, and population growth. In turn, those indicators are used for health planning, policy formulation, research, and commerce. The tables in this part of the report present birth statistics categorized by maternal characteristics and other related measures. The tables refer only to live births except Table 7 which also includes stillbirths. The mother's usual residence is used to identify geographic location.

Births – General Indicators

Certain birth and parental characteristics that are presented in this section have been shown to be related to the infant's health status or are of general interest. These characteristics include age of mother, age of father, kind of birth (single, twin, or multiple), LHA of usual residence, and mode of delivery.

Table 7 shows the live birth cardinality by mother's age. About 82.0 percent of live births in 2008 were first or second births. Second, third, and subsequent live births tend to have been delivered to progressively older women.

Table 8 shows the number of live births in BC in 2008 by the age of mother and the age of father. It also shows, for each maternal age range, the number of infants born to couples who were not formally married to each other (Out-of-Wedlock).

Over half of the births (50.3 percent) in 2008 were to mothers 30 to 39 years old and 42.4 percent were to mothers in their twenties. Only 3.4 percent were to mothers less than 20 years and 4.0 percent to those 40 or older. For fathers, over half (52.4 percent) were in their thirties, more than a quarter (27.5 percent) were in their twenties, 13.6 percent were in their forties or older and 1.0 percent were less than 20 years old. In 5.5 percent of births, the father's age was not indicated.

Less than one percent (0.8 percent) of births (334) were to couples who were both in their teens; births to couples in which at least one person was a teen, made up 3.6 percent (1,573) of births.

While there were only 110 births (0.2 percent) to mothers age 45 years old and over, 4.2 percent (1,866) of all newborns had fathers in that age group.

Table 9 shows the number of births by birth kind (single, twin, triplet+) according to the mother's age group. In 2008, 4.3 percent of live births to mothers 35 years and older were multiple births; whereas, 2.6 percent of live births to mothers aged 20 to 34 were multiples and teenagers had the lowest proportion (0.8 percent).

In recent decades there has been a gradual increase in multiple birth rates in BC (see Figure 8). The proportions of multiple live births increased from 1.9 percent of all live births in 1986 to 2.9 percent in 2008.

Table 10 shows the 2008 fertility rates in the LHA where the mother resided and by maternal age groups. The table also shows the number of live births to women 15-19 years of age over the five-year period 2003-2007 and the fertility rate for that age group.

In Figure 29 the *Age Specific Fertility Rate* (ASFR) statistics for 15-19 year olds for the five-year period 2003-2007 are shown by LHA. The ASFR is described more fully in the *Glossary* and an example of the calculation method is shown in the *Methodology* section.

Table 11 shows the number and percentage of births in each maternal age group according to their mode of delivery. Generally, the proportion of births that were spontaneous vertex deliveries (which generally require no medical intervention), and to a lesser extent births assisted by vacuum extraction, are higher for younger mothers. On the other hand, deliveries by cesarean section are proportionally higher for older mothers (see also Figure 13).

Cesarean section deliveries in BC increased from 209.58 per 1,000 live births in 1986 to 305.89 in 2008 (see Figure 11).

Table 12 shows live births by the LHA where the mother usually resided and focuses on spontaneous vertex and cesarean section modes of delivery. Spontaneous breech, forceps, and vacuum deliveries are combined into the 'Other' category. The table shows the number and percent of live births that were delivered by cesarean section.

The columns on the right side of the table indicate the total number of live births in 2008 to residents of each LHA and the birth rate per 1,000 population. The LHA with the highest live birth rate was more than five times the rate of the lowest. For more comparisons of cesarean section delivery rates see also Figures 11, 12, and 13.

In Figure 30 the LHAs are grouped by their ratio of observed number of cesarean live births over expected number of cesarean live births for 2008. The figure shows the LHAs in quintiles from those with the highest cesarean ratios (quintile 5) to those with the lowest such rates (quintile 1).

Vital Statistics Information Box

BIRTHS BY MOTHER'S COUNTRY OF BIRTH

BRITISH COLUMBIA, 2008

Area	Province/Country	Births
Canada	**Total**	**29,524**
	British Columbia	21,159
	Ontario	2,669
	Alberta	2,483
	Manitoba	858
	Saskatchewan	787
	Quebec	628
	Nova Scotia	282
	Newfoundland & Labrador	229
	New Brunswick	146
	Yukon	75
	Northwest Territories	53
	Prince Edward Island	27
	Nunavut	2
North and Central America	**Total**	**1,256**
	United States	700
	Mexico	249
	Other North and Central American Countries	307
South America		**326**
Europe	**Total**	**2,087**
	England	400
	Other United Kingdom	237
	Russia	172
	Germany	169
	Romania	139
	Poland	127
	Ukraine	84
	Netherlands	69
	France	67
	Scandinavian Countries	63
	Other European Countries	560
Asia and the Middle East	**Total**	**9,555**
	India	2,849
	China	2,185
	Philippines	1,306
	Vietnam	537
	Korea	469
	Japan	344
	Taiwan	277
	Iran	242
	Hong Kong	233
	Pakistan	231
	Afghanistan	109
	Other Asian and Middle Eastern Countries	773
Africa	**Total**	**547**
	South Africa	149
	Other African Countries	398
Oceania	**Total**	**415**
	Fiji	217
	Australia	133
	New Zealand	62
	Other Oceanic Countries	3
Unknown	**Total**	**446**
Total		**44,156**

Note: Births consist of live births only. Non-residents are excluded.

TABLE 7

BIRTHS BY AGE OF MOTHER AND LIVE BIRTHS BY BIRTH ORDER

BRITISH COLUMBIA, 2008

Age of Mother	Birth Order 1	2	3	4	5	6	7	8	9+	N.S.	Total Live Births	Stillbirths	Total Births
13	1	-	-	-	-	-	-	-	-	-	1	-	1
14	13	-	-	-	-	-	-	-	-	-	13	1	14
15	42	1	-	-	-	-	-	-	-	-	43	3	46
16	96	2	-	-	-	-	-	-	-	-	98	1	99
17	237	20	2	-	-	-	-	-	-	-	259	6	265
18	362	53	4	-	-	-	-	-	-	-	419	5	424
19	526	112	7	1	1	-	-	-	-	-	647	3	650
20	661	177	41	1	1	-	-	-	-	-	881	14	895
21	725	280	40	6	2	-	-	-	-	-	1,053	8	1,061
22	789	348	68	25	7	-	-	-	-	-	1,237	7	1,244
23	898	486	118	25	3	-	1	-	-	-	1,531	4	1,535
24	1,023	532	166	34	6	3	-	-	-	-	1,764	11	1,775
25	1,064	610	203	66	12	9	-	-	-	-	1,964	19	1,983
26	1,159	768	243	81	13	3	1	-	-	-	2,268	20	2,288
27	1,271	842	294	86	24	8	3	-	1	-	2,529	21	2,550
28	1,369	908	292	100	33	13	2	-	-	-	2,717	32	2,749
29	1,333	969	335	92	24	12	4	1	-	-	2,770	20	2,790
30	1,342	1,068	401	114	30	11	3	3	2	-	2,974	24	2,998
31	1,259	1,180	371	113	42	20	8	3	1	-	2,997	27	3,024
32	1,169	1,114	361	111	42	11	1	3	1	-	2,813	20	2,833
33	1,019	1,148	392	103	25	13	5	2	3	-	2,710	30	2,740
34	892	1,043	372	118	32	21	11	1	4	-	2,494	22	2,516
35	754	955	400	113	26	13	2	1	1	-	2,265	24	2,289
36	622	857	312	102	22	13	3	3	3	-	1,937	20	1,957
37	519	717	307	97	29	17	6	-	3	-	1,695	21	1,716
38	378	575	230	80	27	10	6	-	3	1	1,310	10	1,320
39	291	421	179	72	14	10	9	6	5	-	1,007	19	1,026
40	195	279	110	46	17	8	4	2	5	-	666	9	675
41	127	180	72	24	10	4	1	-	1	-	419	6	425
42	81	121	55	16	11	9	3	2	4	-	302	9	311
43	45	61	33	13	6	2	-	2	2	-	164	5	169
44	32	40	9	7	3	4	1	2	1	-	99	1	100
45	21	13	11	4	-	1	-	-	1	-	51	2	53
45+	17	18	6	2	4	4	-	2	6	-	59	-	59
TOTAL	**20,332**	**15,898**	**5,434**	**1,652**	**466**	**219**	**74**	**33**	**47**	**1**	**44,156**	**424**	**44,580**
PERCENT	**46.0**	**36.0**	**12.3**	**3.7**	**1.1**	**0.5**	**0.2**	**0.1**	**0.1**	**0.0**	**100.0**		

Note: Birth order denotes the number of live births. Total includes unknown gender. Non-residents are excluded. N.S. – Not stated.

TABLE 8

TOTAL LIVE BIRTHS BY AGE OF FATHER, AGE OF MOTHER AND OUT-OF-WEDLOCK

BRITISH COLUMBIA, 2008

Age of Father	Age of Mother (in Years)									Total	Percent
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.		
< 15	-	2	1	1	-	1	-	-	-	5	-
15-19	7	325	72	13	4	-	1	-	-	422	1.0
20-24	1	578	1,995	529	95	18	3	-	-	3,219	7.3
25-29	1	159	2,450	4,915	1,187	196	30	1	-	8,939	20.2
30-34	-	37	826	4,235	6,509	1,297	104	5	-	13,013	29.5
35-39	-	17	275	1,414	4,250	3,802	369	10	-	10,137	23.0
40-44	-	11	87	390	1,127	1,834	641	29	-	4,119	9.3
45+	-	9	37	149	396	786	434	55	-	1,866	4.2
N.S.	5	328	723	602	420	280	68	10	-	2,436	5.5
TOTAL	**14**	**1,466**	**6,466**	**12,248**	**13,988**	**8,214**	**1,650**	**110**	-	**44,156**	
Percent	**0.0**	**3.3**	**14.6**	**27.7**	**31.7**	**18.6**	**3.7**	**0.2**			**100.0**
Out-of-Wedlock	**11**	**1,217**	**3,648**	**3,323**	**2,386**	**1,433**	**360**	**27**	-	**12,405**	

Note: Total percentage may not add up to 100 due to rounding.
Out-of-Wedlock - Indicates mother and father of child were not legally married to each other and excludes 1,792 cases where marital status was not stated.
Non-residents are excluded. N.S. – Not stated.

TABLE 9

LIVE BIRTHS BY AGE OF MOTHER AND KIND OF BIRTH

BRITISH COLUMBIA, 2008

Age of Mother	Kind of Birth				Total
	Single	Twin	Triplets+	N.S.	
< 15	14	-	-	-	14
15-19	1,454	12	-	-	1,466
20-24	6,333	130	3	-	6,466
25-29	11,963	280	5	-	12,248
30-34	13,556	418	14	-	13,988
35-39	7,891	313	10	-	8,214
40-44	1,563	81	6	-	1,650
45 +	92	18	-	-	110
N.S.	-	-	-	-	-
TOTAL	**42,866**	**1,252**	**38**	-	**44,156**

Note: For the multiple births which include stillbirths, only live births are shown in this table. Triplets+ : included in this column are the live births from multiple births of three or more. Non-residents are excluded. N.S.- Not stated.

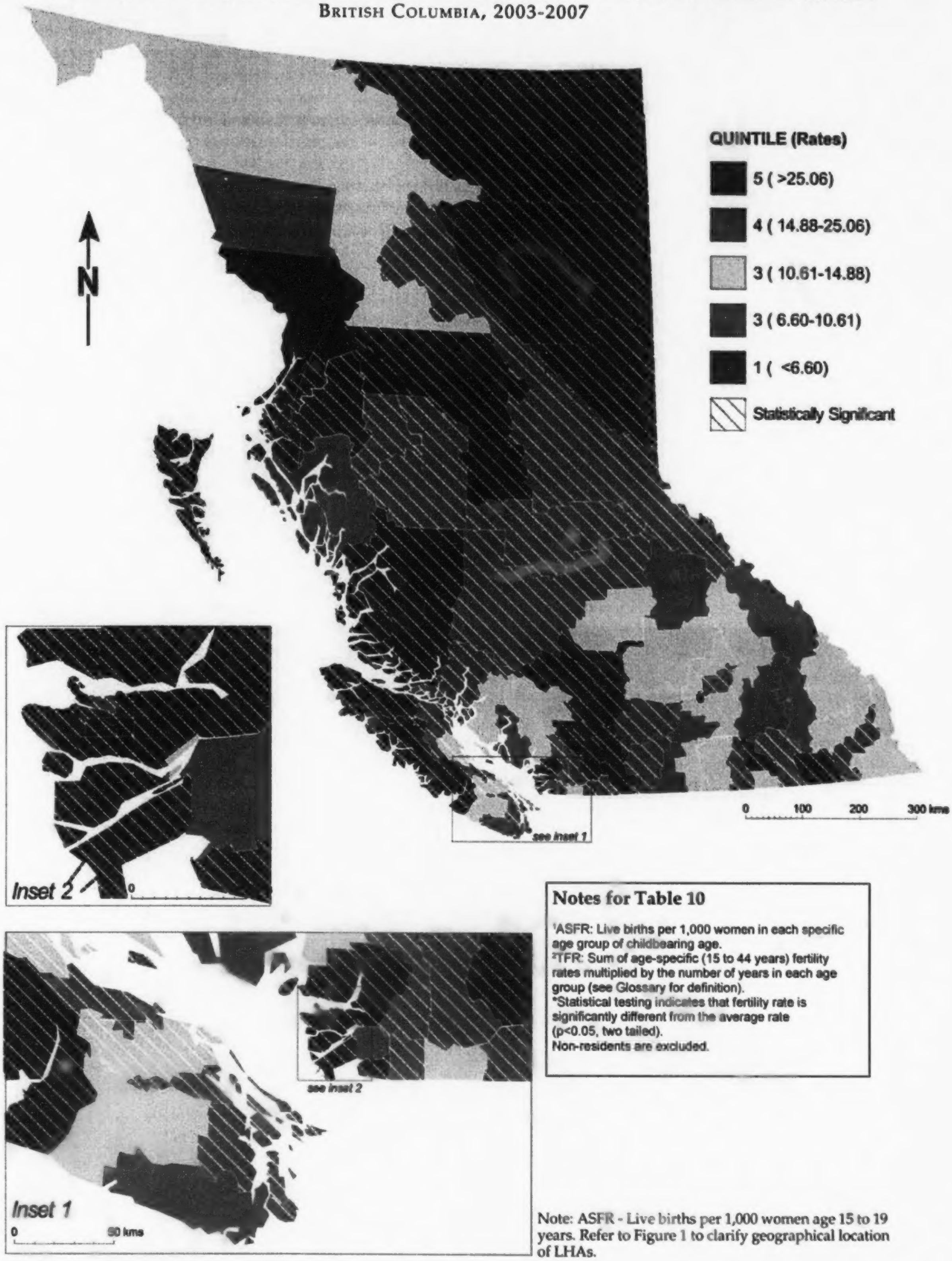
		2003–2007 Teenage Fertility Rate (15–19 yrs)			2008 ASFR[1]						TFR[2]	
Local Health Area		Observed	ASFR[1]	(p)	15–19	20–24	25–29	30–34	35–39	40–44	Rate	(p)
001	Fernie	29	12.03		10.46	77.50	143.62	79.33	35.56	3.79	1,751.31	
002	Cranbrook	78	18.19	*	25.91	81.25	147.34	76.48	31.21	6.37	1,842.80	*
003	Kimberley	13	11.21		11.45	54.35	161.49	120.17	54.26	3.31	2,025.18	*
004	Windermere	17	12.01		8.70	78.18	77.84	81.87	40.25	5.39	1,461.13	
005	Creston	62	33.53	*	31.58	122.36	190.48	93.22	36.47	5.88	2,399.97	*
006	Kootenay Lake	5	9.80		-	38.46	35.09	93.46	46.73	-	1,068.68	
007	Nelson	29	7.29	*	9.56	48.71	97.44	107.23	64.40	6.71	1,670.27	
009	Castlegar	7	3.58	*	4.60	48.05	128.03	62.50	20.41	-	1,317.91	
010	Arrow Lakes	4	7.60		-	112.90	168.67	65.22	38.17	14.39	1,996.76	
011	Trail	36	10.91		10.56	84.15	147.58	121.41	27.08	8.63	1,997.06	*
012	Grand Forks	25	21.42	*	8.44	78.65	82.80	100.53	18.02	7.04	1,477.41	
013	Kettle Valley	5	12.53		11.49	119.05	133.33	48.19	97.83	-	2,049.47	
014	Southern Okanagan	34	14.58		15.18	95.08	193.33	77.67	30.43	10.64	2,111.69	*
015	Penticton	79	13.13		13.39	65.92	96.77	91.08	47.85	10.75	1,628.85	
016	Keremeos	12	18.87		5.35	119.66	161.62	50.00	13.33	5.46	1,777.10	
017	Princeton	15	23.96	*	27.97	67.57	150.00	76.92	18.02	7.35	1,739.17	
018	Golden	9	8.40		18.78	55.84	90.03	82.73	46.43	7.22	1,505.16	
019	Revelstoke	16	11.59		29.30	49.33	100.00	78.84	28.34	9.97	1,478.88	
020	Salmon Arm	56	10.71		14.36	97.37	139.85	75.50	40.30	8.54	1,879.58	*
021	Armstrong - Spallumcheen	10	6.20	*	22.92	86.36	154.59	170.21	16.13	3.11	2,266.62	*
022	Vernon	122	11.92		14.94	60.98	106.26	89.13	50.21	2.19	1,618.56	
023	Central Okanagan	259	9.85		11.66	48.05	84.82	93.05	48.20	7.02	1,464.04	
024	Kamloops	202	11.18		14.20	53.58	103.47	86.62	36.71	5.90	1,502.38	
025	100 Mile House	31	13.04		13.25	124.56	163.18	99.68	21.11	-	2,108.83	*
026	North Thompson	15	20.52		19.23	92.11	120.37	159.29	28.37	-	2,096.84	
027	Cariboo - Chilcotin	117	24.32	*	26.04	81.80	136.86	95.63	30.23	8.98	1,897.68	*
028	Quesnel	100	23.64	*	31.18	89.31	165.53	79.11	29.29	3.62	1,990.23	*
029	Lillooet	24	32.17	*	44.12	141.59	139.78	120.97	39.47	-	2,429.68	*
030	South Cariboo	38	34.30	*	11.63	124.26	85.11	65.48	32.89	-	1,596.83	
031	Merritt	47	23.61	*	33.41	104.82	124.06	64.72	30.64	2.38	1,800.15	
032	Hope	42	33.63	*	30.65	111.73	169.93	129.41	39.41	14.55	2,478.42	*
033	Chilliwack	286	21.24	*	15.99	82.49	135.68	103.49	42.70	6.06	1,932.01	*
034	Abbotsford	274	11.99		13.11	68.80	127.60	100.53	38.58	6.24	1,774.27	*
035	Langley	153	6.98	*	5.88	39.02	100.73	124.05	53.08	10.35	1,665.56	*
037	Delta	68	3.74	*	2.68	28.50	81.95	122.42	59.34	8.70	1,517.90	
038	Richmond	73	2.44	*	1.37	15.30	57.58	110.83	67.79	10.84	1,318.47	*
040	New Westminster	76	10.72		5.37	33.33	59.09	93.74	63.04	10.63	1,326.01	*
041	Burnaby	156	5.10	*	2.66	21.09	56.14	105.93	66.81	13.29	1,329.61	*
042	Maple Ridge	120	7.94	*	7.07	42.87	109.62	119.56	51.59	10.01	1,703.57	*
043	Coquitlam	156	4.26	*	2.90	22.88	74.84	116.64	59.99	12.79	1,450.24	
044	North Vancouver	59	2.66	*	3.32	14.44	50.86	116.21	71.56	16.14	1,362.67	*
045	West Vancouver-Bowen Is.	27	2.96	*	3.19	7.14	30.72	100.81	60.71	16.60	1,095.84	*
046	Sunshine Coast	37	8.37		16.65	72.58	126.67	120.92	63.39	12.31	2,062.56	*
047	Powell River	41	13.62		10.15	66.67	132.01	91.79	42.47	1.43	1,722.59	
048	Howe Sound	54	11.39		13.71	58.13	72.77	112.55	67.04	13.99	1,690.97	*
049	Bella Coola Valley	41	69.85	*	66.67	186.67	149.25	86.96	105.26	-	2,974.03	*
050	Queen Charlotte	19	26.43	*	20.98	84.75	97.01	70.06	86.67	5.71	1,825.92	
051	Snow Country	2	28.17		-	333.33	133.33	133.33	43.48	-	3,217.39	
052	Prince Rupert	116	37.81	*	38.87	70.39	130.43	121.07	45.01	7.46	2,066.18	*
053	Upper Skeena	38	34.36	*	20.49	109.09	123.19	84.97	29.94	9.90	1,887.90	
054	Smithers	73	23.09	*	20.93	75.98	179.10	110.13	56.18	3.62	2,229.71	*
055	Burns Lake	33	23.54	*	23.18	73.47	151.79	62.83	37.74	-	1,744.98	
056	Nechako	87	31.67	*	60.98	140.55	146.99	82.04	23.71	9.63	2,319.51	*
057	Prince George	326	18.36	*	23.06	72.83	113.55	97.89	37.25	5.26	1,749.23	*
059	Peace River South	125	25.79	*	25.96	129.45	134.90	88.27	26.84	5.08	2,052.54	*
060	Peace River North	204	34.03	*	39.15	130.43	151.31	112.03	44.48	1.71	2,395.54	*
061	Greater Victoria	257	8.58	*	6.10	22.99	54.83	87.55	49.61	10.50	1,157.93	*
062	Sooke	95	9.34		9.80	55.50	136.34	118.00	44.24	7.26	1,855.69	*
063	Saanich	83	8.21	*	4.38	30.97	75.11	112.55	60.42	7.23	1,453.29	
064	Gulf Islands	12	6.76	*	12.11	55.56	102.77	95.56	44.44	9.48	1,599.58	
065	Cowichan	177	17.74	*	16.01	64.16	118.09	111.90	50.36	8.46	1,844.88	*
066	Lake Cowichan	13	13.82		18.69	104.90	77.52	119.05	11.63	-	1,658.91	
067	Ladysmith	54	20.60	*	15.87	83.97	86.39	97.11	31.89	6.49	1,608.66	
068	Nanaimo	232	14.41	*	14.21	52.69	98.97	96.54	42.88	6.62	1,559.60	
069	Qualicum	43	7.95	*	9.99	66.31	114.73	113.24	55.67	4.46	1,821.97	*
070	Alberni	156	30.28	*	32.85	114.75	101.24	93.08	36.71	7.87	1,932.49	*
071	Courtenay	137	13.79	*	6.24	65.26	125.36	90.68	33.42	5.44	1,632.00	
072	Campbell River	132	19.45	*	16.71	71.37	126.77	116.32	41.67	5.45	1,891.44	*
075	Mission	117	15.88	*	12.09	81.71	145.20	102.97	48.69	5.93	1,982.98	*
076	Agassiz - Harrison	44	35.63	*	39.01	96.45	122.27	93.46	43.64	21.28	2,080.48	*
077	Summerland	19	9.75		10.20	35.71	108.91	109.38	40.74	8.06	1,565.05	
078	Enderby	28	22.08	*	22.64	118.56	112.24	154.93	28.57	7.12	2,220.31	*
080	Kitimat	32	15.19		30.15	80.91	94.49	81.18	18.81	4.88	1,552.06	
081	Fort Nelson	49	45.08	*	45.66	148.31	93.98	82.09	29.52	12.93	2,062.47	*
083	Central Coast	20	60.98	*	46.15	161.29	140.00	208.33	44.44	-	3,001.11	*
084	Vancouver Island West	16	42.44	*	70.71	157.89	137.25	183.67	50.00	11.24	3,053.83	*
085	Vancouver Island North	87	38.60	*	47.52	111.82	144.26	72.95	47.90	10.92	2,176.85	*
087	Stikine	2	11.90		50.00	-	32.26	55.56	-	-	689.07	*
088	Terrace	114	29.75	*	35.39	127.09	144.25	91.22	25.17	4.99	2,140.52	*
092	Nisga'a	30	74.63	*	101.27	196.08	173.08	125.00	43.48	-	3,194.50	*
094	Telegraph Creek	3	17.54		50.00	151.52	250.00	45.45	71.43	-	2,841.99	
161	Vancouver - City Centre	23	3.88	*	1.76	8.77	20.76	50.38	41.76	15.43	694.27	*
162	Vancouver - Downtown E.side	80	16.45	*	9.67	23.23	28.06	51.25	46.41	14.51	865.64	*
163	Vancouver - North East	84	5.72	*	6.03	23.37	53.32	101.73	72.82	13.36	1,353.12	*
164	Vancouver - Westside	22	1.15	*	1.54	4.58	27.13	85.13	75.85	15.79	1,050.08	*
165	Vancouver - Midtown	63	6.43	*	4.64	23.11	51.95	96.03	70.87	17.86	1,322.27	*
166	Vancouver - South	100	4.64	*	6.01	24.43	60.16	104.17	68.99	11.37	1,375.63	*
201	Surrey	595	10.11		8.85	63.62	118.98	113.32	51.83	8.99	1,827.94	*
202	South Surrey/White Rock	27	2.31	*	2.76	17.19	56.29	116.33	62.47	9.34	1,321.89	*
	PROVINCIAL TOTAL	**7,137**	**10.61**		**10.58**	**44.23**	**82.37**	**99.28**	**53.29**	**9.84**	**1,497.95**	

Notes for this table follow the map.

FIGURE 29

LIVE BIRTH TEENAGE FERTILITY RATES BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003-2007


N
QUINTILE (Rates)
5 (>25.06)
4 (14.88-25.06)
3 (10.61-14.88)
3 (6.60-10.61)
1 (<6.60)
Statistically Significant
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Notes for Table 10

[1]ASFR: Live births per 1,000 women in each specific age group of childbearing age.
[2]TFR: Sum of age-specific (15 to 44 years) fertility rates multiplied by the number of years in each age group (see Glossary for definition).
*Statistical testing indicates that fertility rate is significantly different from the average rate ($p<0.05$, two tailed).
Non-residents are excluded.

Note: ASFR - Live births per 1,000 women age 15 to 19 years. Refer to Figure 1 to clarify geographical location of LHAs.

TABLE 11

LIVE BIRTHS BY MODE OF DELIVERY AND AGE OF MOTHER

BRITISH COLUMBIA, 2008

	Age of Mother (in Years)									
Mode of Delivery	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.	Total
Spontaneous vertex	13	1,061	4,283	7,581	8,108	4,362	767	39	-	26,214
Percent	92.9	72.4	66.2	61.9	58.0	53.1	46.5	35.5		59.4
Spontaneous breech	-	1	17	32	40	33	6	-	-	129
Percent	0.0	0.1	0.3	0.3	0.3	0.4	0.4	0.0		0.3
Forceps	-	35	209	391	509	290	47	2	-	1,483
Percent	0.0	2.4	3.2	3.2	3.6	3.5	2.8	1.8		3.4
Vacuum	1	119	460	835	878	434	89	4	-	2,820
Percent	7.1	8.1	7.1	6.8	6.3	5.3	5.4	3.6		6.4
First cesarean	-	233	1,138	2,246	2,619	1,610	402	41	-	8,289
Percent	0.0	15.9	17.6	18.3	18.7	19.6	24.4	37.3		18.8
Repeat cesarean	-	17	358	1,162	1,834	1,484	339	24	-	5,218
Percent	0.0	1.2	5.5	9.5	13.1	18.1	20.5	21.8		11.8
N.S.	**-**	**-**	**1**	**1**	**-**	**1**	**-**	**-**	**-**	**3**
TOTAL	**14**	**1,466**	**6,466**	**12,248**	**13,988**	**8,214**	**1,650**	**110**	-	**44,156**
Percent	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**		**100.0**

Note: Breech presentations may be coded to forceps, vacuum, first cesarean or repeat cesarean mode of delivery, as well as spontaneous breech. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. N.S. - Not stated.

Vital Statistics Information Box

PLACE OF BIRTH FOR MIDWIFE ASSISTED BIRTHS
BRITISH COLUMBIA, 2004-2008

The College of Midwives of British Columbia was established in 1995 and the first midwives were registered to practice in 1998. The Vital Statistics Agency implemented procedures to identify births delivered by registered midwives in 1998, and, by 1999, could identify all midwife assisted births. The table below shows the place of birth for midwife assisted births in the province from 2004 to 2008.

	2004		2005		2006		2007		2008	
Place of Birth	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**
Hospital	1,167	69.3	1,506	70.8	1,762	74.0	2,055	75.5	2,512	76.1
Home	462	27.5	475	22.3	223	9.4	651	23.9	722	21.9
Other & unknown*	54	3.2	146	6.9	395	16.6	15	0.6	67	2.0
Midwife Assisted Births	**1,683**	**100.0**	**2,127**	**100.0**	**2,380**	**100.0**	**2,721**	**100.0**	**3,301**	**100.0**
Percent of Total Births Delivered by Registered Midwives		**4.2**		**5.2**		**5.7**		**6.3**		**7.5**

Note: *Other and unknown includes birthing clinics.

Table 12

LIVE BIRTHS BY LOCAL HEALTH AREA AND MODE OF DELIVERY, BRITISH COLUMBIA, 2008

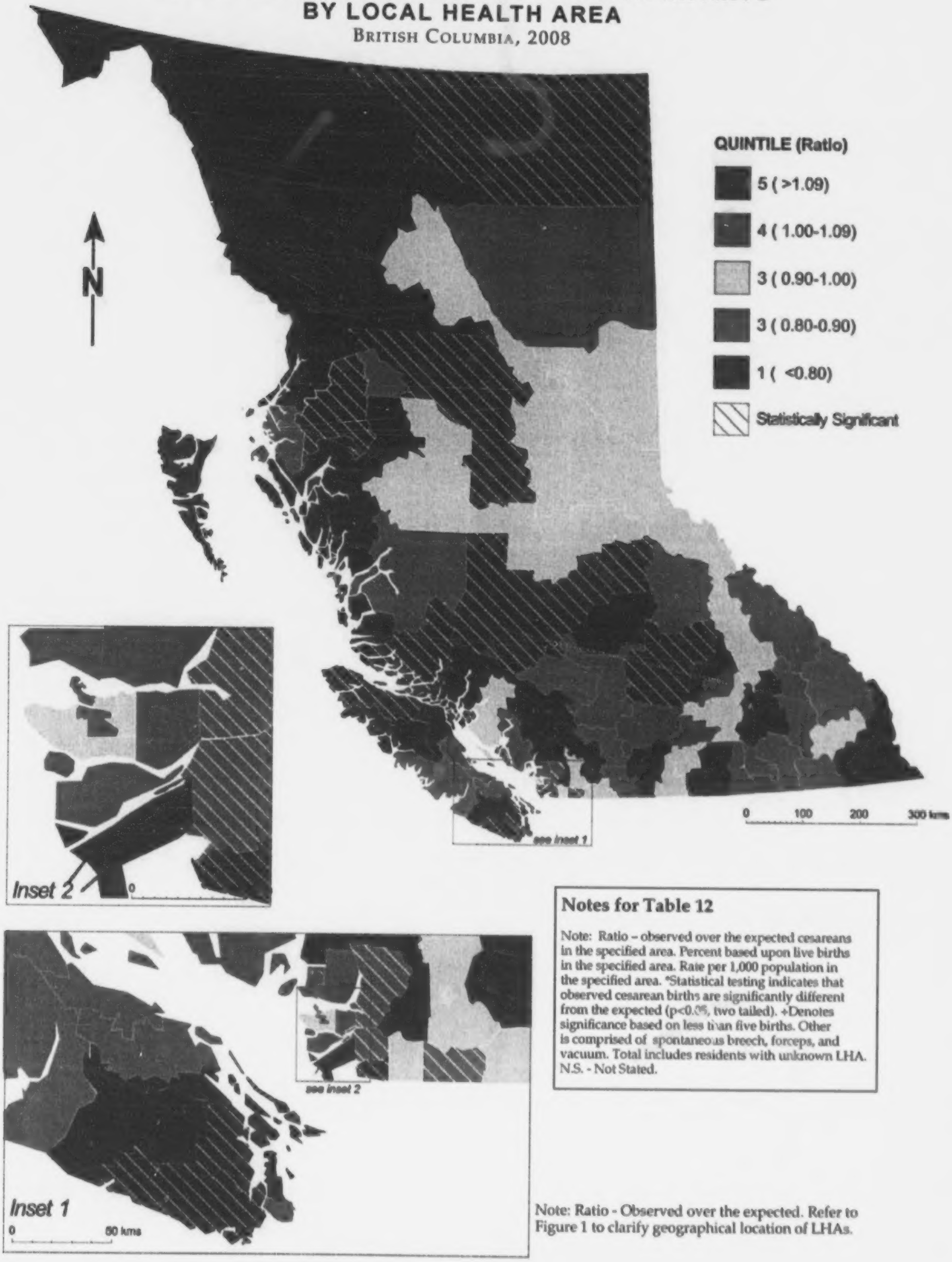
Local Health Area		Spontaneous Vertex	Cesarean							Other	N.S.	Total Live Births	
			First	Repeat	Total	Expected	Ratio	(p)	Percent			Number	Rate
001	Fernie	74	24	25	49	44.97	1.09		33.3	24	-	147	10.01
002	Cranbrook	168	59	32	91	81.67	1.11		34.1	8	-	267	10.50
003	Kimberley	55	17	6	23	25.08	0.92		28.0	4	-	82	9.85
004	Windermere	64	14	12	26	29.37	0.89		27.1	6	-	96	9.03
005	Creston	81	17	12	29	35.79	0.81		24.8	7	-	117	9.38
006	Kootenay Lake	12	1	5	6	5.81	1.03		31.6	1	-	19	5.22
007	Nelson	178	49	13	62	75.86	0.82		25.0	8	-	248	9.97
009	Castlegar	60	20	3	23	26.92	0.85		26.1	5	-	88	6.64
010	Arrow Lakes	26	3	3	6	10.40	0.58		17.6	2	-	34	7.17
011	Trail	107	33	26	59	56.28	1.05		32.1	18	-	184	9.48
012	Grand Forks	37	6	8	14	16.52	0.85		25.9	3	-	54	6.05
013	Kettle Valley	21	1	4	5	8.26	0.61		18.5	1	-	27	7.52
014	Southern Okanagan	73	28	22	50	44.97	1.11		34.0	24	-	147	7.53
015	Penticton	220	64	33	97	107.06	0.91		27.7	33	-	350	8.51
016	Keremeos	24	6	5	11	11.93	0.92		28.2	4	-	39	6.78
017	Princeton	21	2	2	4	8.26	0.48		14.8	2	-	27	5.65
018	Golden	43	15	11	26	24.78	1.05		32.1	12	-	81	10.77
019	Revelstoke	45	13	6	19	21.11	0.90		27.5	5	-	69	8.71
020	Salmon Arm	169	57	39	96	87.18	1.10		33.7	20	-	285	8.24
021	Armstrong - Spallumcheen	60	9	15	24	29.37	0.82		25.0	12	-	96	10.15
022	Vernon	350	106	61	167	170.99	0.98		29.9	42	-	559	8.64
023	Central Okanagan	952	292	207	499	492.18	1.01		31.0	158	-	1,609	8.94
024	Kamloops	607	230	140	370	319.05	1.16	*	35.5	66	-	1,043	9.55
025	100 Mile House	72	29	13	42	36.40	1.15		35.3	5	-	119	8.14
026	North Thompson	32	7	4	11	13.77	0.80		24.4	2	-	45	10.41
027	Cariboo - Chilcotin	202	31	35	66	92.38	0.71	*	21.9	34	-	302	11.35
028	Quesnel	158	43	35	78	79.53	0.98		30.0	24	-	260	11.14
029	Lillooet	39	10	4	14	17.13	0.82		25.0	3	-	56	12.85
030	South Cariboo	37	8	5	13	15.91	0.82		25.0	2	-	52	7.26
031	Merritt	74	16	21	37	35.48	1.04		31.9	5	-	116	10.03
032	Hope	62	16	8	24	27.22	0.88		27.0	3	-	89	11.04
033	Chilliwack	630	161	117	278	301.92	0.92		28.2	79	-	987	11.84
034	Abbotsford	1,024	262	196	458	524.30	0.87	*	26.7	232	-	1,714	12.77
035	Langley	862	238	178	416	428.86	0.97		29.7	124	-	1,402	11.02
037	Delta	472	159	132	291	261.23	1.11		34.1	91	-	854	8.52
038	Richmond	988	307	224	531	522.16	1.02		31.1	187	1	1,707	9.03
040	New Westminster	356	143	75	218	203.11	1.07		32.8	90	-	664	10.42
041	Burnaby	1,290	474	268	742	690.40	1.07		32.9	225	-	2,257	10.34
042	Maple Ridge	560	200	135	335	303.45	1.10		33.8	97	-	992	10.83
043	Coquitlam	1,155	440	254	694	637.48	1.09	*	33.3	235	-	2,084	9.86
044	North Vancouver	682	234	157	391	370.13	1.06		32.3	137	-	1,210	8.89
045	West Vancouver-Bowen Is.	141	46	30	76	73.11	1.04		31.8	22	-	239	4.71
046	Sunshine Coast	144	51	27	78	74.94	1.04		31.8	23	-	245	8.39
047	Powell River	82	22	19	41	42.21	0.97		29.7	14	1	138	6.99
048	Howe Sound	281	106	55	161	146.83	1.10		33.5	38	-	480	14.35
049	Bella Coola Valley	31	8	6	14	14.07	0.99		30.4	1	-	46	16.80
050	Queen Charlotte	33	4	7	11	15.60	0.71		21.6	6	1	51	10.63
051	Snow Country	4	2	1	3	2.14	1.40		42.9	-	-	7	13.41
052	Prince Rupert	114	29	19	48	54.45	0.88		27.0	16	-	178	12.46
053	Upper Skeena	43	12	4	16	18.35	0.87		26.7	1	-	60	11.17
054	Smithers	140	30	20	50	62.71	0.80		24.4	15	-	205	12.91
055	Burns Lake	46	16	7	23	24.17	0.95		29.1	10	-	79	10.28
056	Nechako	162	22	21	43	65.77	0.65	*	20.0	10	-	215	14.42
057	Prince George	756	215	109	324	350.86	0.92		28.2	67	-	1,147	11.91
059	Peace River South	223	56	39	95	105.23	0.90		27.6	26	-	344	12.73
060	Peace River North	381	116	79	195	184.15	1.06		32.4	26	-	602	18.08
061	Greater Victoria	1,118	364	209	573	552.44	1.04		31.7	115	-	1,806	8.20
062	Sooke	453	171	102	273	235.54	1.16	*	35.5	44	-	770	11.83
063	Saanich	232	89	50	139	118.38	1.17		35.9	16	-	387	6.09
064	Gulf Islands	66	16	5	21	29.06	0.72		22.1	8	-	95	6.19
065	Cowichan	409	65	51	116	169.77	0.68	*	20.9	30	-	555	9.84
066	Lake Cowichan	32	4	7	11	14.07	0.78		23.9	3	-	46	7.37
067	Ladysmith	96	18	11	29	40.99	0.71		21.6	9	-	134	7.33
068	Nanaimo	595	163	91	254	283.87	0.89		27.4	79	-	928	9.17
069	Qualicum	174	40	33	73	82.90	0.88		26.9	24	-	271	6.02
070	Alberni	201	56	28	84	103.09	0.81		24.9	52	-	337	10.77
071	Courtenay	330	87	43	130	153.25	0.85		25.9	41	-	501	7.92
072	Campbell River	229	90	60	150	127.86	1.17		35.9	39	-	418	10.15
075	Mission	318	79	66	145	156.01	0.93		28.4	47	-	510	12.30
076	Agassiz - Harrison	58	20	15	35	29.37	1.19		36.5	3	-	96	10.75
077	Summerland	43	11	10	21	21.72	0.97		29.6	7	-	71	6.14
078	Enderby	49	10	15	25	24.78	1.01		30.9	7	-	81	10.38
080	Kitimat	51	22	12	34	27.84	1.22		37.4	6	-	91	8.91
081	Fort Nelson	53	25	19	44	31.51	1.40	*	42.7	6	-	103	15.99
083	Central Coast	20	7	4	11	9.79	1.12		34.4	1	-	32	20.96
084	Vancouver Island West	23	4	4	8	11.01	0.73		22.2	5	-	36	15.26
085	Vancouver Island North	100	17	13	30	44.97	0.67	*	20.4	17	-	147	12.26
087	Stikine	3	-	-	-	1.22	-		-	1	-	4	3.93
088	Terrace	186	30	21	51	79.23	0.64	*	19.7	22	-	259	12.76
092	Nisga'a	28	5	2	7	11.32	0.62		18.9	2	-	37	19.90
094	Telegraph Creek	10	1	-	1	3.36	0.30		9.1	-	-	11	17.52
161	Vancouver - City Centre	512	229	79	308	297.33	1.04		31.7	152	-	972	8.36
162	Van. - Downtown Eastside	275	92	37	129	137.65	0.94		28.7	46	-	450	7.35
163	Vancouver - North East	661	196	110	306	340.46	0.90		27.5	146	-	1,113	10.76
164	Vancouver - Westside	651	214	123	337	348.41	0.97		29.6	151	-	1,139	8.69
165	Vancouver - Midtown	590	236	88	324	321.49	1.01		30.8	137	-	1,051	12.35
166	Vancouver - South	764	238	143	381	407.14	0.94		28.6	186	-	1,331	10.03
201	Surrey	2,848	995	693	1,688	1,593.40	1.06	*	32.4	673	-	5,209	14.04
202	South Surrey/White Rock	307	116	80	196	166.71	1.18	*	36.0	42	-	545	6.64
	PROVINCIAL TOTAL	**26,214**	**8,289**	**5,218**	**13,507**	**13,507.00**	**1.00**		**30.6**	**4,432**	**3**	**44,156**	**10.08**

Notes for this table follow the map.

FIGURE 30

CESAREAN DELIVERIES OF LIVE BORN INFANTS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2008


N
QUINTILE (Ratio)
5 (>1.09)
4 (1.00-1.09)
3 (0.90-1.00)
3 (0.80-0.90)
1 (<0.80)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0
50 kms

Notes for Table 12

Note: Ratio – observed over the expected cesareans in the specified area. Percent based upon live births in the specified area. Rate per 1,000 population in the specified area. *Statistical testing indicates that observed cesarean births are significantly different from the expected ($p<0.05$, two tailed). +Denotes significance based on less than five births. Other is comprised of spontaneous breech, forceps, and vacuum. Total includes residents with unknown LHA. N.S. - Not Stated.

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

Births – Birth Weight

Birth weight is recognized as a primary indicator of newborn health not only in BC and Canada but worldwide. It is also an important predictor of subsequent health and well being, as well as disability and death, among newborn infants. In BC a baby is weighed (in grams) immediately after birth, and that weight is used as one of the diagnostic indicators of fetal growth.

The following tables show birth weight categorized by other indicators related to birth weight, such as gender, gestational age, and maternal age.

Babies born at term (37 to 41 weeks) and between 2,500 and 4,499 grams have been shown to have the most favourable prospects for good health and Table 13 indicates that 38,987 births or 88.3 percent of all live births in 2008 were in that category. There were 3,385 pre-term births (less than 37 weeks) which accounted for 7.7 percent of all live births.

Table 14 shows the number of live births to residents of BC in 2008 according to maternal age group and infant birth weight category. By far, most of the babies in each age group had healthy weights (from 2,500 to 4,499 grams).

Table 14 shows that mothers in the mid-age categories had the largest proportions of healthy weight babies and the lowest proportions of LBW babies (weighing less than 2,500 grams).

Table 15 displays the number and percent of LBW babies by gender according to the mother's age group. Female babies have a higher rate of LBW (56.62 per 1,000 female live births) than males (52.27 per 1,000 male live births).

Figure 31 graphically shows the pattern of LBW by maternal age groups. Women in the middle age groups had the lowest rates of LBW babies in 2008 with increasing rates in subsequent age groups. Older mothers not only have increased rates of LBW babies but the rate among older mothers has shown an increasing trend since 1986 as indicated in Figure 10.

Table 16 shows the incidence of LBW babies in the period 2003 to 2007 and the year 2008, stratified by the LHA of maternal residence for the whole province. As well as the incidence of such births, the 2003 to 2007 portion of the table shows the LBW rate per 1,000 live births and the ratio of the observed and expected number of LBW births in the LHA.

There were 16 LHAs with ratios that were statistically significant. Of these, 7 were high. The 2008 data show the incidence figures broken down by three categories of gestational age of the newborn, the total number of LBW births, and the rate. In some LHAs the number of LBW babies was quite low in 2008, so the rates should be viewed with caution.

Figure 32 shows BC LHAs displayed in five levels according to the 2003-2007 observed versus expected LBW ratio. High ratios, (Quintile 5, deep green colour) mean that an LHA had quite a high ratio in the years 2003-2007. At the other extreme, the areas shown as dark grey have a relatively low ratio.

TABLE 13

LIVE BIRTHS BY BIRTH WEIGHT, GENDER, AND GESTATIONAL AGE

BRITISH COLUMBIA, 2008

Birth Weight (in Grams)	Gender		Gestational Age (in Weeks)						Total
	Male	Female	<20	20–27	28–36	37–41	42+	N.S.	
<500	13	13	2	23	-	1	-	-	26
500-749	28	33	-	56	5	-	-	-	61
750-999	28	30	-	39	19	-	-	-	58
1,000-1,249	44	44	-	27	61	-	-	-	88
1,250-1,499	60	67	-	3	122	2	-	-	127
1,500-1,749	96	85	-	-	174	7	-	-	181
1,750-1,999	148	160	-	-	286	22	-	-	308
2,000-2,249	259	227	-	1	372	113	-	-	486
2,250-2,499	514	552	-	-	580	485	1	-	1,066
2,500-2,749	925	1,201	-	1	596	1,529	-	-	2,126
2,750-2,999	1,881	2,362	-	-	460	3,774	9	-	4,243
3,000-3,249	3,326	3,794	-	-	302	6,801	17	-	7,120
3,250-3,499	4,249	4,537	-	-	156	8,599	31	-	8,786
3,500-3,749	4,388	3,691	-	1	54	7,984	40	-	8,079
3,750-3,999	3,280	2,440	-	-	32	5,635	53	-	5,720
4,000-4,249	1,927	1,307	-	-	9	3,189	36	-	3,234
4,250-4,499	965	539	-	-	2	1,476	26	-	1,504
4,500-4,749	394	201	-	-	1	580	14	-	595
4,750-4,999	156	62	-	-	1	210	7	-	218
5,000-5,249	46	16	-	-	-	61	1	-	62
5,250-5,499	13	3	-	-	-	16	-	-	16
5,500+	5	3	-	-	-	8	-	-	8
N.S.	23	21	-	-	-	-	-	44	44
TOTAL	**22,768**	**21,388**	**2**	**151**	**3,232**	**40,492**	**235**	**44**	**44,156**

Note: Non-residents are excluded. N.S. – Not stated.

TABLE 14

LIVE BIRTHS BY BIRTH WEIGHT AND AGE OF MOTHER

BRITISH COLUMBIA, 2008

Birth Weight (in Grams)	Age of Mother (in Years)									Total
	<15	15–19	20–24	25–29	30–34	35–39	40–44	45+	N.S.	
<500	-	-	4	3	9	9	1	-	-	26
500-749	-	1	11	9	19	17	4	-	-	61
750-999	-	1	8	12	21	14	2	-	-	58
1,000-1,249	-	3	13	25	24	20	3	-	-	88
1,250-1,499	-	4	17	25	38	34	8	1	-	127
1,500-1,749	1	5	20	45	63	34	10	3	-	181
1,750-1,999	-	7	45	71	94	69	19	3	-	308
2,000-2,249	-	17	76	111	154	95	31	2	-	486
2,250-2,499	-	32	164	274	320	216	57	3	-	1,066
2,500-2,749	-	66	320	561	706	371	93	9	-	2,126
2,750-2,999	2	132	649	1,233	1,254	799	161	13	-	4,243
3,000-3,249	4	236	1,042	1,963	2,258	1,333	264	20	-	7,120
3,250-3,499	1	299	1,229	2,486	2,831	1,597	322	21	-	8,786
3,500-3,749	3	280	1,242	2,236	2,516	1,501	289	12	-	8,079
3,750-3,999	1	205	854	1,586	1,830	1,045	190	9	-	5,720
4,000-4,249	2	107	438	900	1,038	628	113	8	-	3,234
4,250-4,499	-	47	222	439	492	256	47	1	-	1,504
4,500-4,749	-	18	77	163	207	105	22	3	-	595
4,750-4,999	-	4	22	66	69	45	10	2	-	218
5,000-5,249	-	2	7	18	20	14	1	-	-	62
5,250-5,499	-	-	3	2	8	3	-	-	-	16
5,500+	-	-	1	3	2	2	-	-	-	8
N.S.	-	-	2	17	15	7	3	-	-	44
Low	1	70	358	575	742	508	135	12	-	2,401
Percent	7.1	4.8	5.5	4.7	5.3	6.2	8.2	10.9	-	5.4
Healthy	13	1,372	5,996	11,404	12,925	7,530	1,479	93	-	40,812
Percent	92.9	93.6	92.7	93.1	92.4	91.7	89.6	84.6	-	92.4
High	-	24	110	252	306	169	33	5	-	899
Percent	-	1.6	1.7	2.1	2.2	2.1	2.0	4.6	-	2.0
TOTAL	14	1,466	6,466	12,248	13,988	8,214	1,650	110	-	44,156

Note: Low birth weight <2,500 grams. Healthy birth weight 2,500 to 4,499 grams. High birth weight 4,500+ grams. Percent of age category in birth weight group. Non-residents are excluded. N.S. - Not stated.

TABLE 15

LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER AND GENDER

BRITISH COLUMBIA, 2008

Age of Mother	Male		Female		Total		
	Number	Percent	Number	Percent	Number	Percent	Rate
< 15	1	0.1	-	-	1	0.0	+
15-19	38	3.2	32	2.6	70	2.9	47.75
20-24	186	15.6	172	14.2	358	14.9	55.37
25-29	271	22.8	304	25.1	575	23.9	46.95
30-34	373	31.3	369	30.5	742	30.9	53.05
35-39	254	21.3	254	21.0	508	21.2	61.85
40-44	63	5.3	72	5.9	135	5.6	81.82
45 +	4	0.3	8	0.7	12	0.5	109.09
N.S.	-	-	-	-	-	-	-
TOTAL	**1,190**	**100.0**	**1,211**	**100.0**	**2,401**	**100.0**	**54.38**

Note: Rate per 1,000 live births for the specified age group.
Low birth weight: birth weight less than 2,500 grams.
Total percentage may not add up to 100 due to rounding. Total includes unknown gender.
+ Denotes the number of cases is less than five
Non-residents are excluded. N.S. – Not stated.

FIGURE 31

LOW BIRTH WEIGHT LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 2008

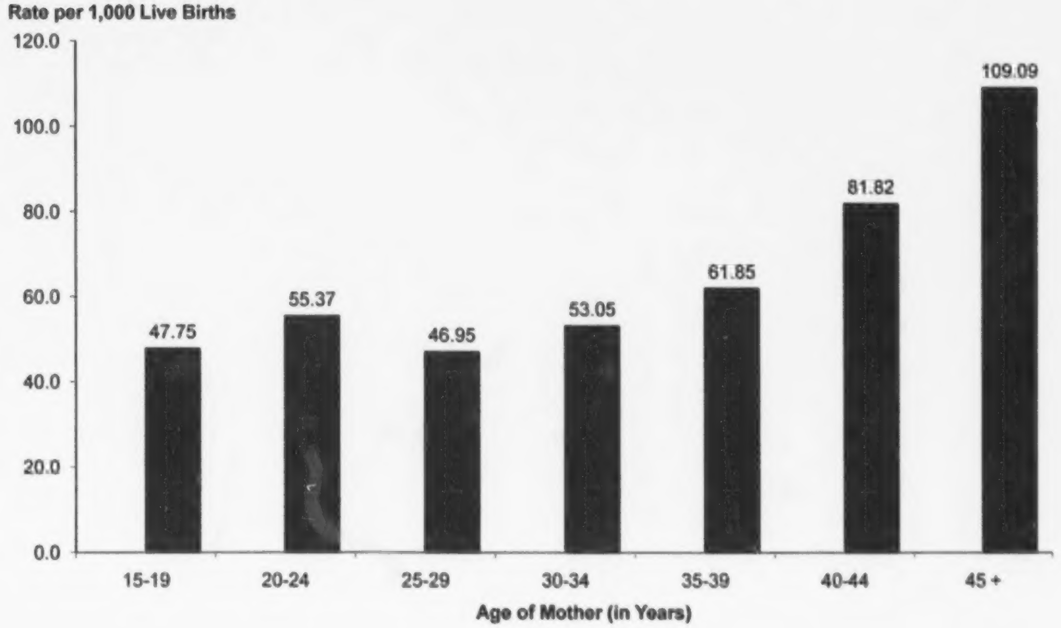


Table 16

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA AND GESTATIONAL AGE,

BRITISH COLUMBIA, 2003–2007 AND 2008

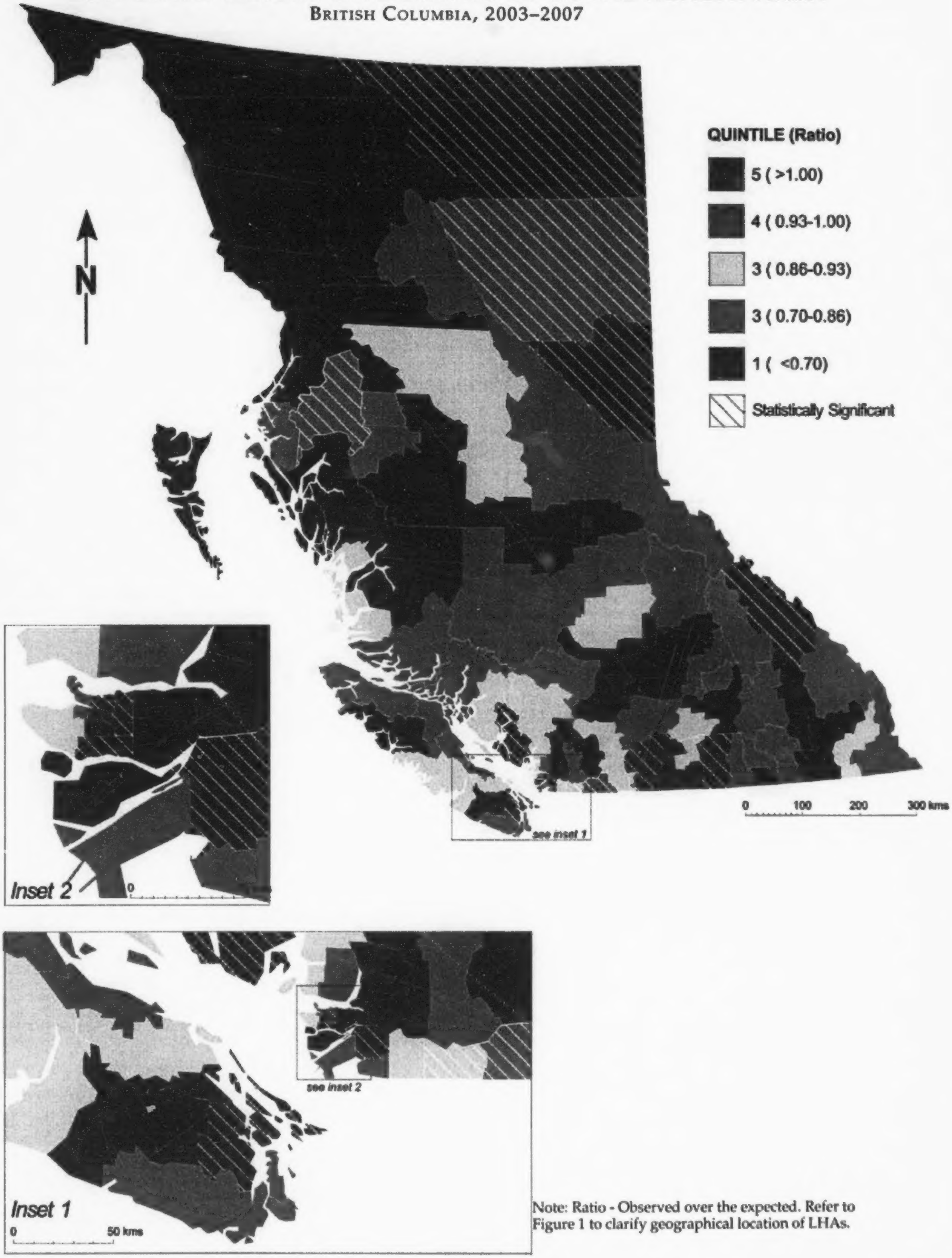
Local Health Area		2003–2007				2008					
		Low Birth Weight Live Births				Gestational Age (in Weeks)					
		Observed	Ratio	(p)	Rate	<37	37–41	42+	N.S.	Total	Rate
001	Fernie	25	0.71		39.25	3	2	-	-	5	34.01
002	Cranbrook	56	0.88		49.21	7	8	-	-	15	56.18
003	Kimberley	20	1.15		63.90	3	4	-	-	7	85.37
004	Windermere	17	0.82		45.58	2	-	-	-	2	20.83
005	Creston	34	1.07		59.44	8	-	-	-	8	68.38
006	Kootenay Lake	6	0.65		35.93	-	-	-	-	-	-
007	Nelson	52	0.84		46.68	13	4	-	-	17	68.55
009	Castlegar	18	0.71		39.65	4	-	-	-	4	45.45
010	Arrow Lakes	8	0.85		47.34	1	-	-	-	1	29.41
011	Trail	48	1.22		68.09	8	4	-	-	12	65.22
012	Grand Forks	16	0.86		47.62	2	-	-	-	2	37.04
013	Kettle Valley	1	0.14	*	7.75	1	-	-	-	1	37.04
014	Southern Okanagan	37	1.09		60.66	8	7	-	-	15	102.04
015	Penticton	72	0.87		48.32	9	6	-	-	15	42.86
016	Keremeos	6	0.58		32.09	1	1	-	-	2	51.28
017	Princeton	14	2.01	*	112.00	1	-	-	-	1	37.04
018	Golden	9	0.50	*	27.78	5	2	-	-	7	86.42
019	Revelstoke	17	0.82		45.58	2	3	-	-	5	72.46
020	Salmon Arm	63	0.93		51.77	8	3	-	-	11	38.60
021	Armstrong - Spallumcheen	16	0.81		44.78	5	-	-	-	5	52.08
022	Vernon	160	1.11		61.63	12	7	-	-	19	33.99
023	Central Okanagan	363	0.92		51.13	68	18	-	-	86	53.45
024	Kamloops	288	1.12		62.03	36	9	-	-	45	43.14
025	100 Mile House	24	0.88		49.08	11	2	-	-	13	109.24
026	North Thompson	12	0.98		54.55	1	2	-	-	3	66.67
027	Cariboo - Chilcotin	79	0.99		55.01	14	4	-	-	18	59.60
028	Quesnel	68	1.03		57.53	11	2	-	-	13	50.00
029	Lillooet	12	0.85		47.24	5	-	-	-	5	89.29
030	South Cariboo	21	1.26		70.23	1	1	-	-	2	38.46
031	Merritt	26	0.81		45.30	3	2	-	-	5	43.10
032	Hope	18	0.90		49.86	2	2	-	-	4	44.94
033	Chilliwack	215	0.82	*	45.87	38	15	-	-	53	53.70
034	Abbotsford	406	0.89	*	49.31	68	29	-	-	97	56.59
035	Langley	324	0.93		51.45	51	20	-	-	71	50.64
037	Delta	247	0.95		52.90	42	15	-	-	57	66.74
038	Richmond	441	1.00		55.64	67	38	-	-	105	61.51
040	New Westminster	215	1.19	*	66.15	20	14	-	-	34	51.20
041	Burnaby	632	1.07		59.25	84	30	-	-	114	50.51
042	Maple Ridge	272	1.07		59.74	44	11	-	-	55	55.44
043	Coquitlam	605	1.06		58.92	86	36	-	-	122	58.54
044	North Vancouver	324	0.94		52.02	49	15	-	-	64	52.89
045	West Vancouver-Bowen Is.	74	0.88		49.07	8	4	-	-	12	50.21
046	Sunshine Coast	33	0.64	*	35.58	8	-	-	-	8	32.65
047	Powell River	32	0.86		48.05	3	1	-	-	4	28.99
048	Howe Sound	106	0.93		51.51	13	3	-	-	16	33.33
049	Bella Coola Valley	16	1.18		65.84	4	-	-	-	4	86.96
050	Queen Charlotte	16	1.09		60.38	2	-	-	-	2	39.22
051	Snow Country	2	1.24		68.97	-	1	-	-	1	142.86
052	Prince Rupert	36	0.73		40.45	6	-	-	-	6	33.71
053	Upper Skeena	12	0.64		35.61	-	1	-	-	1	16.67
054	Smithers	51	0.83		46.15	6	1	-	-	7	34.15
055	Burns Lake	16	0.65		36.12	5	2	-	-	7	88.61
056	Nechako	52	0.86		47.93	6	5	-	-	11	51.16
057	Prince George	294	1.00		55.35	41	11	-	-	52	45.34
059	Peace River South	53	0.65	*	36.05	11	4	-	-	15	43.60
060	Peace River North	115	0.77	*	42.67	12	7	-	-	19	31.56
061	Greater Victoria	474	0.96		53.43	60	21	-	-	81	44.85
062	Sooke	165	0.98		54.53	33	11	-	-	44	57.14
063	Saanich	105	0.95		52.55	24	5	-	-	29	74.94
064	Gulf Islands	14	0.60	*	33.10	2	4	-	-	6	63.16
065	Cowichan	165	1.18	*	65.48	18	4	-	-	22	39.64
066	Lake Cowichan	14	1.21		67.31	1	2	-	-	3	65.22
067	Ladysmith	47	1.13		62.83	6	1	-	-	7	52.24
068	Nanaimo	213	0.91		50.56	28	8	-	-	36	38.79
069	Qualicum	65	0.98		54.35	10	3	-	-	13	47.97
070	Alberni	77	0.89		49.39	16	3	-	-	19	56.38
071	Courtenay	124	0.95		52.68	19	8	1	-	28	55.89
072	Campbell River	97	0.97		53.71	20	5	-	-	25	59.81
075	Mission	118	0.97		54.10	19	5	-	-	24	47.06
076	Agassiz - Harrison	31	1.17		65.26	3	2	-	-	5	52.08
077	Summerland	14	0.69		38.46	2	1	-	-	3	42.25
078	Enderby	13	0.71		39.39	3	-	-	-	3	37.04
080	Kitimat	16	0.66		36.45	6	-	-	-	6	65.93
081	Fort Nelson	15	0.53	*	29.24	6	3	-	-	9	87.38
083	Central Coast	7	0.87		48.28	2	-	-	-	2	62.50
084	Vancouver Island West	4	0.65		36.04	-	2	-	-	2	55.56
085	Vancouver Island North	42	0.98		54.55	8	1	-	-	9	61.22
087	Stikine	2	1.44		80.00	1	-	-	-	1	250.00
088	Terrace	50	0.74	*	40.92	12	6	-	-	18	69.50
092	Nisga'a	5	0.60		33.56	2	-	-	-	2	54.05
094	Telegraph Creek	1	0.40		22.22	-	-	-	-	-	-
161	Vancouver - City Centre	220	0.93		51.91	29	13	-	-	42	43.21
162	Vancouver - Downtown E.side	157	1.22	*	67.85	20	5	-	-	25	55.56
163	Vancouver - North East	360	1.18	*	65.57	49	17	-	-	66	59.30
164	Vancouver - Westside	282	0.90		50.03	45	10	-	-	55	48.29
165	Vancouver - Midtown	310	1.11		61.88	49	17	-	-	66	62.80
166	Vancouver - South	450	1.24	*	68.98	76	23	-	-	99	74.38
201	Surrey	1,467	1.15	*	63.96	242	90	-	-	332	63.74
202	South Surrey/White Rock	144	0.98		54.50	28	4	-	-	32	58.72
	PROVINCIAL TOTAL	**11,479**	**1.00**		**55.61**	**1,770**	**630**	**1**	-	**2,401**	**54.38**

Note: Low Birth Weight – birth weight less than 2,500 grams. Ratio – observed over the expected low birth weight live births. * Statistical testing indicates that observed low birth weight live births are significantly different from the expected (p<0.05, two tailed). Rate per 1,000 live births in the specified area. Total includes residents with unknown LHA. N.S. - Not Stated.

FIGURE 32

LOW BIRTH WEIGHT LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003–2007


N
QUINTILE (Ratio)
5 (>1.00)
4 (0.93-1.00)
3 (0.86-0.93)
3 (0.70-0.86)
1 (<0.70)
Statistically Significant
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

Births – Maternal Complications and Perinatal Conditions

Both maternal complications and perinatal complications can be used as health status indicators. Only diagnoses affecting pregnancy, labour, or delivery were selected for the maternal complications part of this report. Perinatal conditions consist of diagnoses affecting the baby shortly before, during, or after birth.

The maternal complications shown in Table 17 are limited to those diagnoses that affected pregnancy, labour, or delivery. Note that an unlimited number of complications can be noted for each birth, so the total number of maternal complications can be greater than the number of live births with maternal complications.

Assisted or Surgical Delivery and *Maternal Abnormalities of the Pelvic Organs* were the two most frequent diagnostic categories of maternal complications in 2008 and the previous five years. The proportions of age group births that had pelvic organ abnormalities (including conditions such as cervical incompetence as well as scarring from surgeries such as previous cesarean sections) were observed more frequently in older mothers. Births complicated by *Maternal Abnormality of Pelvic Organs* made up 1.3 percent of births to mothers aged under 20 years compared to 21.6 percent of births for mothers 40 years and over. The proportions of age group births that had at least one complication are shown along the bottom of the table.

Elderly primigravida (ICD-10 code Z35.5) refers to women aged 35 or older who are experiencing their first pregnancy. This condition has always been recorded; however, the ICD-9 code (659.5) was included with other complications of labour and delivery, while ICD-10 puts elderly primigravida in the chapter with factors influencing health status and contact with health services. Elderly primigravida comprised 5.4 percent of all maternal complications in 2003-2007 and 5.3 percent in 2008 as shown in Table 17.

Table 18 shows the incidence of live births with maternal complications by LHA for the period 2003-2007 and for the year 2008. The observed births columns show the number of live births with complications stratified by maternal LHA of residence. The ratios indicate the number of observed births divided by the number that would be expected if the LHA had the provincial rates and (p) indicates those LHAs where the observed number was significantly different from the expected.

In 2008, there were statistically significant low ratios in 8 LHAs, whereas 5 LHAs had high ratios that were statistically significant. In the 2003 to 2007 period, 20 LHAs had low ratios that were statistically significant and 15 LHAs had high ratios that were statistically significant.

The map in Figure 33 shows the LHAs identified in their quintile ranks by their 2003-2007 ratios of observed births with maternal complications versus the expected number of births with such conditions. LHAs with the highest ratios are coloured deep green, and those with the lowest ratios are dark grey.

The conditions listed in Table 19 consist of diagnoses affecting the baby shortly before, during, or after birth. The table shows the number and percent of all perinatal conditions in each category for 2003-2007 and 2008. The 2008 portion of the table also shows the conditions by maternal age group. Again, an unlimited number of conditions can be noted for each birth, so the total number of perinatal conditions at the bottom of the table may exceed the number of live births with at least one perinatal condition.

Intrauterine hypoxia and birth asphyxia accounted for most of the perinatal conditions in both time periods (44.0 percent in 2003-2007 and 39.5 percent in 2008). Conditions related to short gestation and those related to long gestation or high birth weight together accounted for 43.6 percent of the conditions in 2008 and 34.6 percent in the 2003-2007 period.

Table 20 shows the incidence of live births with perinatal conditions, by the mother's LHA of residence for the period 2003-2007 and for the year 2008. In 2008, there were 23 LHAs where the observed number of perinatal conditions was significantly different from the expected number, and in 16 of these, the observed number was significantly higher.

Figure 34 map shows the LHAs identified in their quintile ranks by their 2003-2007 ratios of observed births with perinatal conditions to the expected number of births with such conditions. LHAs with the highest ratios are coloured deep green, and those with the lowest ratios are dark grey.

TABLE 17

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 2003–2007 AND 2008

Maternal Complications	ICD-10 Code(s)	2003–2007 Total	2003–2007 Percent	2008 Age of Mother (in Years) <20	2008 Age of Mother (in Years) 20–29	2008 Age of Mother (in Years) 30–39	2008 Age of Mother (in Years) 40+	2008 Age of Mother (in Years) N.S.	2008 Total	2008 Percent
Hypertension/hypertensive disorders in pregnancy	O10-O11, O13, O16	2,540	1.8	18	217	247	27	-	509	1.6
Edema and proteinuria without hypertension	O12	36	-	-	3	-	-	-	3	0.0
Pre-eclampsia/eclampsia	O14-O15	889	0.6	10	80	99	16	-	205	0.6
Hemorrhage in early pregnancy	O20	3	-	-	-	1	-	-	1	0.0
Hyperemesis gravidarum	O21	58	-	-	11	7	-	-	18	0.1
Other maternal disorders predominantly related to pregnancy	O22-O23, O25-O29	1,723	1.2	16	185	236	13	-	450	1.4
Diabetes in pregnancy	O24	2,276	1.6	4	151	306	51	-	512	1.6
Multiple gestation and related complications	O30-O31	6,133	4.3	11	405	730	103	-	1,249	3.8
Fetal malpresentation	O32	6,648	4.6	33	577	795	74	-	1,479	4.5
Disproportion	O33	455	0.3	2	32	37	2	-	73	0.2
Maternal abnormality of pelvic organs	O34	24,069	16.7	19	1,577	3,444	380	-	5,420	16.6
Disorders of amniotic fluid and membranes	O40-O42	4,149	2.9	33	351	436	34	-	854	2.6
Placental disorders	O43-O45, O73	2,130	1.5	9	173	265	30	-	477	1.5
Antepartum hemorrhage	O46	358	0.2	-	51	43	13	-	107	0.3
Prolonged pregnancy	O48	1,376	1.0	9	91	112	8	-	220	0.7
Preterm labour and delivery	O60	8,563	5.9	82	907	983	95	-	2,067	6.3
Abnormalities of forces of labour	O62-O63	5,911	4.1	51	638	740	51	-	1,480	4.5
Obstructed labour	O64-O66	11,437	7.9	112	1166	1197	84	-	2,559	7.8
Intrapartum hemorrhage	O67	-	-	-	-	-	-	-	-	-
Evidence of fetal distress	O68	8,242	5.7	69	785	1031	98	-	1,983	6.1
Cord complications	O69	2,352	1.6	23	248	285	28	-	584	1.8
Obstetrical trauma	O70-O71	1,452	1.0	12	180	189	6	-	387	1.2
Postpartum hemorrhage	O72	1,923	1.3	22	203	217	17	-	459	1.4
Assisted or surgical delivery - no cause given[1]	O81-O82	30,761	21.3	166	2,541	3,016	290	-	6,013	18.4
Maternal and puerperal infections	O85-O86, O98, A34	234	0.2	6	33	33	2	-	74	0.2
Other puerperal complications	O87-O92	61	-	-	6	5	1	-	12	0.0
Maternal noninfectious diseases complicating the pregnant state	O99	2,065	1.4	14	205	266	30	-	515	1.6
Elderly primigravida	Z355	7,717	5.4	-	-	1,483	236	-	1,719	5.3
Maternal drug use	O355	448	0.3	6	57	30	-	-	93	0.3
Other maternal complications	O00-O08, O350-O353, O356-O36, O47, O61, O74-O75, O95-O97	10,122	7.0	95	1,275	1,690	149		3,209	9.8
Total maternal complications		**144,131**	**100.0**	**822**	**12,148**	**17,923**	**1,838**		**32,731**	**100.0**
Live births with the above maternal complications	**- Number**	**107,257**		**605**	**9,038**	**12,512**	**1,160**	-	**23,315**	
	- Percent(*)	**52.0**		**40.9**	**48.3**	**56.4**	**65.9**		**52.8**	

Note: Percent based upon maternal complications. Percent (*) based upon live births for the specified maternal age group.
[1] Where no other complication code is found. Total percentage may not add up to 100 due to rounding.
N.S. - Not Stated. Non-residents are excluded.

Vital Statistics Information Box

TOP 25 BABY NAMES IN 2008

Each year the British Columbia Vital Statistics Agency produces a list of the most chosen baby names. The table below provides the top 25 names. Alternate spellings of names that sound alike (such as Catherine, Katherine, and Katharine) are not combined. The complete 2008 list, as well as lists for several previous years can be found at http://www.vs.gov.bc.ca/babynames/index.html. In 2008, 643 boys' names and 722 girls' names were chosen for five or more newborns.

	Baby Boys		Baby Girls	
Rank	**Name**	**Number**	**Name**	**Number**
1	Ethan	283	Ava	233
2	Nathan	224	Emma	228
3	Jacob	210	Emily	224
4	Lucas	208	Olivia	210
5	Logan	207	Sophia	195
6	Matthew	198	Chloe	160
7	Benjamin	194	Isabella	158
8	Joshua	193	Hannah	150
9	Liam	193	Abigail	145
10	James	191	Madison	140
11	Noah	189	Ella	139
12	Ryan	182	Sophie	136
13	Owen	179	Sarah	124
14	Alexander	159	Lily	122
15	Jack	158	Brooklyn	120
16	William	153	Taylor	118
17	Daniel	150	Maya	111
18	Evan	148	Grace	105
19	Jayden	144	Hailey	103
20	Samuel	139	Elizabeth	102
21	Aiden	131	Samantha	99
22	Tristan	127	Avery	90
23	Mason	126	Alexis	89
24	Oliver	118	Lauren	85
25	Dylan	113	Mia	84

Table 18

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA,

BRITISH COLUMBIA, 2003–2007 AND 2008

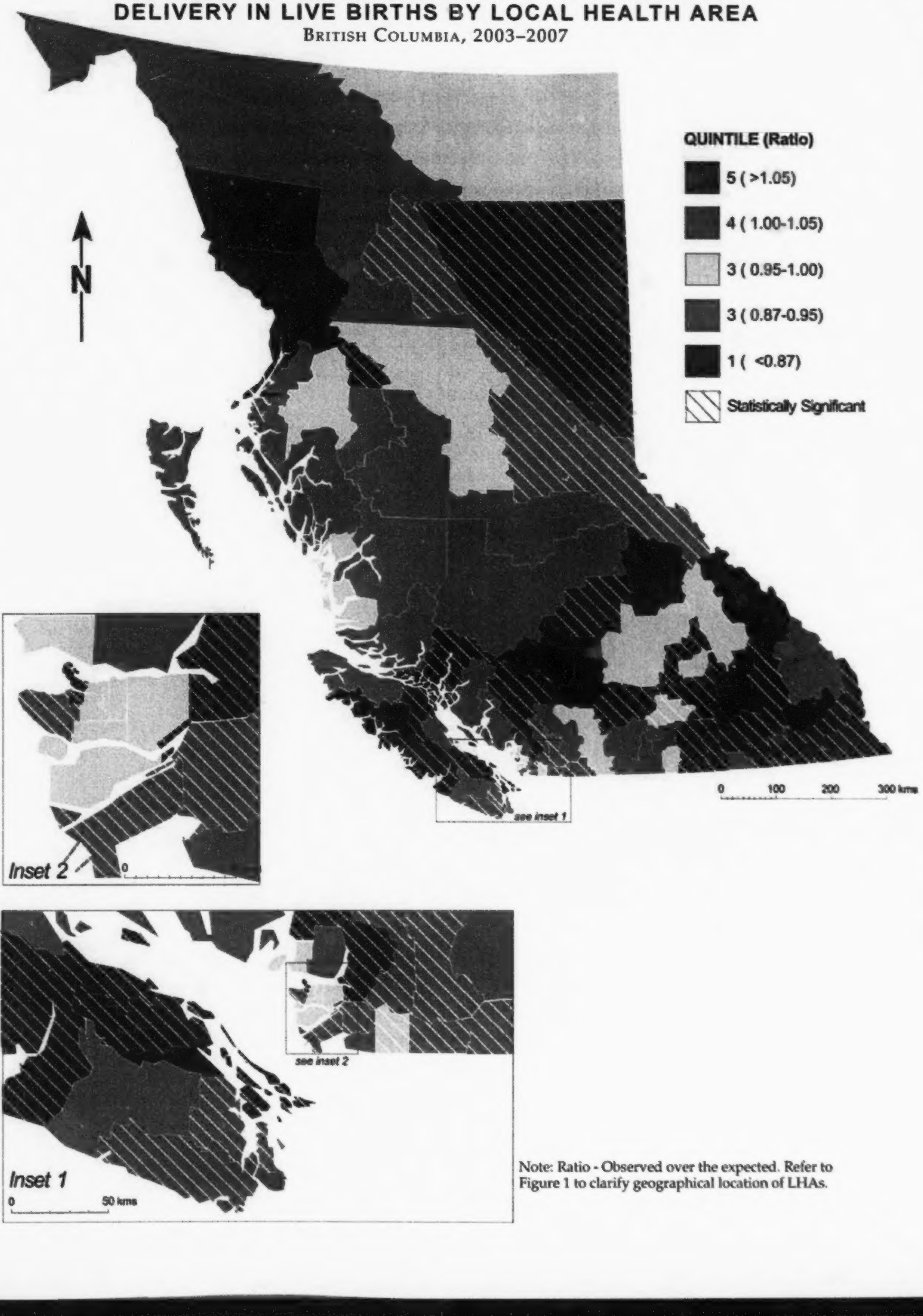
Local Health Area		2003–2007					2008					
		Observed Births	Ratio	(p)	Percent	Total Live Births	Observed Births	Expected Births	Ratio	(p)	Percent	Total Live Births
001	Fernie	369	1.11	*	57.9	637	90	77.6	1.16		61.2	147
002	Cranbrook	506	0.86	*	44.5	1,138	120	141.0	0.85		44.9	267
003	Kimberley	141	0.87		45.0	313	39	43.3	0.90		47.6	82
004	Windermere	195	1.01		52.3	373	45	50.7	0.89		46.9	96
005	Creston	220	0.74	*	38.5	572	52	61.8	0.84		44.4	117
006	Kootenay Lake	49	0.56	*	29.3	167	9	10.0	0.90		47.4	19
007	Nelson	400	0.69	*	35.9	1,114	103	130.9	0.79	*	41.5	248
009	Castlegar	198	0.84	*	43.6	454	36	46.5	0.77		40.9	88
010	Arrow Lakes	76	0.87		45.0	169	8	18.0	0.45	*	23.5	34
011	Trail	329	0.90		46.7	705	105	97.2	1.08		57.1	184
012	Grand Forks	143	0.82	*	42.6	336	26	28.5	0.91		48.1	54
013	Kettle Valley	41	0.61	*	31.8	129	8	14.3	0.56		29.6	27
014	Southern Okanagan	305	0.96		50.0	610	90	77.6	1.16		61.2	147
015	Penticton	791	1.02		53.1	1,490	181	184.8	0.98		51.7	350
016	Keremeos	98	1.01		52.4	187	23	20.6	1.12		59.0	39
017	Princeton	58	0.89		46.4	125	11	14.3	0.77		40.7	27
018	Golden	180	1.07		55.6	324	52	42.8	1.22		64.2	81
019	Revelstoke	191	0.99		51.2	373	30	36.4	0.82		43.5	69
020	Salmon Arm	748	1.18	*	61.5	1,217	164	150.5	1.09		57.5	285
021	Armstrong - Spallumcheen	226	1.06		56.2	402	50	50.7	0.99		52.1	96
022	Vernon	1,462	1.08	*	56.3	2,596	300	295.2	1.02		53.7	559
023	Central Okanagan	3,518	0.95	*	49.6	7,099	860	849.6	1.01		53.4	1,609
024	Kamloops	2,345	0.97		50.5	4,643	530	550.7	0.96		50.8	1,043
025	100 Mile House	217	0.85	*	44.4	489	67	62.8	1.07		56.3	119
026	North Thompson	98	0.86		44.5	220	19	23.8	0.80		42.2	45
027	Cariboo - Chilcotin	772	1.03		53.8	1,436	143	159.5	0.90		47.4	302
028	Quesnel	574	0.93		48.6	1,182	142	137.3	1.03		54.6	260
029	Lillooet	139	1.05		54.7	254	25	29.6	0.85		44.6	56
030	South Cariboo	132	0.85		44.1	299	20	27.5	0.73		38.5	52
031	Merritt	251	0.84	*	43.7	574	50	61.2	0.82		43.1	116
032	Hope	180	0.96		49.9	361	42	47.0	0.89		47.2	89
033	Chilliwack	2,301	0.94	*	49.1	4,687	491	521.2	0.94		49.7	987
034	Abbotsford	3,839	0.89	*	46.4	8,274	834	905.0	0.92	*	48.7	1,714
035	Langley	3,102	0.95	*	49.3	6,297	725	740.3	0.98		51.7	1,402
037	Delta	2,549	1.05	*	54.6	4,669	452	450.9	1.00		52.9	854
038	Richmond	4,090	0.99		51.6	7,926	899	901.3	1.00		52.7	1,707
040	New Westminster	1,830	1.08	*	56.3	3,250	411	350.6	1.17	*	61.9	664
041	Burnaby	5,490	0.99		51.5	10,667	1,177	1,191.7	0.99		52.1	2,257
042	Maple Ridge	2,458	1.04		54.0	4,553	542	523.8	1.03		54.6	992
043	Coquitlam	5,971	1.12	*	58.2	10,268	1,200	1,100.4	1.09	*	57.6	2,084
044	North Vancouver	3,244	1.00		52.1	6,228	670	638.9	1.05		55.4	1,210
045	West Vancouver-Bowen Is.	780	1.00		51.7	1,508	124	126.2	0.98		51.9	239
046	Sunshine Coast	447	0.93		48.2	928	137	129.4	1.06		55.9	245
047	Powell River	351	1.01		52.7	666	63	72.9	0.86		45.7	138
048	Howe Sound	1,161	1.09	*	56.4	2,058	271	253.4	1.07		56.5	480
049	Bella Coola Valley	117	0.93		48.1	243	23	24.3	0.95		50.0	46
050	Queen Charlotte	144	1.05		54.3	265	30	26.9	1.11		58.8	51
051	Snow Country	18	1.19		62.1	29	4	3.7	1.08		57.1	7
052	Prince Rupert	428	0.93		48.1	890	86	94.0	0.92		48.3	178
053	Upper Skeena	209	1.19	*	62.0	337	32	31.7	1.01		53.3	60
054	Smithers	533	0.93		48.2	1,105	89	108.2	0.82		43.4	205
055	Burns Lake	214	0.93		48.3	443	45	41.7	1.08		57.0	79
056	Nechako	552	0.98		50.9	1,085	90	113.5	0.79	*	41.9	215
057	Prince George	2,477	0.90	*	46.6	5,312	522	605.6	0.86	*	45.5	1,147
059	Peace River South	575	0.75	*	39.1	1,470	154	181.6	0.85	*	44.8	344
060	Peace River North	1,089	0.78	*	40.4	2,695	263	317.9	0.83	*	43.7	602
061	Greater Victoria	4,646	1.01		52.4	8,871	938	953.6	0.98		51.9	1,806
062	Sooke	1,648	1.05		54.5	3,026	409	406.6	1.01		53.1	770
063	Saanich	967	0.93	*	48.4	1,998	216	204.3	1.06		55.8	387
064	Gulf Islands	162	0.74	*	38.3	423	44	50.2	0.88		46.3	95
065	Cowichan	1,145	0.87	*	45.4	2,520	248	293.0	0.85	*	44.7	555
066	Lake Cowichan	100	0.93		48.1	208	18	24.3	0.74		39.1	46
067	Ladysmith	408	1.05		54.5	748	64	70.8	0.90		47.8	134
068	Nanaimo	2,595	1.19	*	61.6	4,213	564	490.0	1.15	*	60.8	928
069	Qualicum	707	1.14	*	59.1	1,196	153	143.1	1.07		56.5	271
070	Alberni	937	1.16	*	60.1	1,559	219	177.9	1.23	*	65.0	337
071	Courtenay	1,156	0.95		49.1	2,354	270	264.5	1.02		53.9	501
072	Campbell River	1,089	1.16	*	60.3	1,806	249	220.7	1.13		59.6	418
075	Mission	1,013	0.89	*	46.4	2,181	257	269.3	0.95		50.4	510
076	Agassiz - Harrison	222	0.90		46.7	475	53	50.7	1.05		55.2	96
077	Summerland	196	1.04		53.8	364	42	37.5	1.12		59.2	71
078	Enderby	169	0.99		51.2	330	49	42.8	1.15		60.5	81
080	Kitimat	240	1.05		54.7	439	47	48.0	0.98		51.6	91
081	Fort Nelson	258	0.97		50.3	513	53	54.4	0.97		51.5	103
083	Central Coast	75	1.00		51.7	145	20	16.9	1.18		62.5	32
084	Vancouver Island West	66	1.14		59.5	111	19	19.0	1.00		52.8	36
085	Vancouver Island North	373	0.93		48.4	770	74	77.6	0.95		50.3	147
087	Stikine	13	1.00		52.0	25	2	2.1	0.95		50.0	4
088	Terrace	604	0.95		49.4	1,222	124	136.8	0.91		47.9	259
092	Nisga'a	81	1.05		54.4	149	18	19.5	0.92		48.6	37
094	Telegraph Creek	20	0.86		44.4	45	2	5.8	0.34		18.2	11
161	Vancouver - City Centre	2,541	1.15	*	60.0	4,238	586	513.2	1.14	*	60.3	972
162	Vancouver - Downtown E.side	1,191	0.99		51.5	2,314	240	237.6	1.01		53.3	450
163	Vancouver - North East	2,782	0.98		50.7	5,490	596	587.7	1.01		53.5	1,113
164	Vancouver - Westside	3,074	1.05	*	54.5	5,637	624	601.4	1.04		54.8	1,139
165	Vancouver - Midtown	2,599	1.00		51.9	5,010	587	554.9	1.06		55.9	1,051
166	Vancouver - South	3,353	0.99		51.4	6,524	705	702.8	1.00		53.0	1,331
201	Surrey	12,436	1.04	*	54.2	22,937	2,759	2,750.4	1.00		53.0	5,209
202	South Surrey/White Rock	1,426	1.04		54.0	2,642	288	287.8	1.00		52.8	545
	PROVINCIAL TOTAL	**107,257**	**1.00**		**52.0**	**206,418**	**23,315**	**23,315.0**	**1.00**		**52.8**	**44,156**

Note: *Statistical testing indicates that the observed number of births with maternal complications is signficantly different from the expected (p<0.05, two tailed). Ratio - observed over expected. Percent of observed births is based on total live births. Total includes residents with unknown LHA. Non-residents are excluded.

FIGURE 33

MATERNAL COMPLICATIONS OF PREGNANCY AND DELIVERY IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003–2007


QUINTILE (Ratio)
5 (>1.05)
4 (1.00-1.05)
3 (0.95-1.00)
3 (0.87-0.95)
1 (<0.87)
Statistically Significant
N
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

TABLE 19

PERINATAL CONDITIONS IN LIVE BIRTHS BY AGE OF MOTHER

BRITISH COLUMBIA, 2003–2007 AND 2008

				2008						
		2003–2007		Age of Mother (in Years)						
Perinatal Conditions	ICD-10 Code	Total	Percent	<20	20–29	30–39	40+	N.S.	Total	Percent
Fetus/newborn affected by maternal conditions that may be unrelated to present pregnancy	P00	29	-	-	8	5	1	-	14	0.1
Complications of pregnancy, labour and delivery	P01, P03	11,821	13.2	48	844	1,213	148	-	2,253	11.4
Fetus/newborn affected by complications of placenta, cord and membranes	P02	3,201	3.6	17	214	234	29	-	494	2.5
Fetus affected by noxious influences transmitted via placenta (or breast milk)	P04	22	-	2	8	6	-	-	16	-
Slow fetal growth and malnutrition	P05	2,708	3.0	12	91	131	8	-	242	1.2
Perinatal disorders related to short gestation	P072, P073	15,024	16.7	111	1,323	1,684	196	-	3,314	16.8
Disorders related to long gestation or high birth weight	P08	16,056	17.9	165	2,193	2,742	196	-	5,296	26.8
Perinatal birth trauma	P10-P15	270	0.3	3	38	50	2	-	93	0.5
Intrauterine hypoxia and birth asphyxia	P20-P21	39,525	44.0	349	3,423	3,716	308	-	7,796	39.5
Respiratory conditions of fetus and newborn	P22-P28	581	0.6	6	39	37	2	-	84	0.4
Cardiovascular disorders originating in the perinatal period	P29	-	-	-	-	-	-	-	-	0.0
Infections specific to the perinatal period	P35-P39	32	-	-	2	4	-	-	6	0.0
Fetal and neonatal hemorrhage	P50-P52, P54	108	0.1	-	2	5	-	-	7	0.0
Perinatal jaundice/other hematological disorders	P53, P55-P61	46	0.1	-	2	9	-	-	11	0.1
Perinatal endocrine and metabolic disorders	P70-P74	32	-	-	5	2	-	-	7	0.0
Digestive system disorders of fetus and newborn	P76-P78	3	-	-	-	2	-	-	2	0.0
Perinatal conditions of the integument and of temperature regulation	P80-P83	129	0.1	-	21	21	-	-	42	0.2
Other disorders originating in the perinatal period	P90-P96	229	0.3	4	32	30	2	-	68	0.3
All Perinatal Conditions		**89,816**	**100.0**	**717**	**8,245**	**9,891**	**892**	**-**	**19,745**	**100.0**
Live births with the above	**- Number**	**68,869**		**557**	**6,450**	**7,701**	**659**	**-**	**15,367**	
perinatal conditions	**- Percent(*)**	**33.4**		**37.6**	**34.5**	**34.7**	**37.4**		**34.8**	

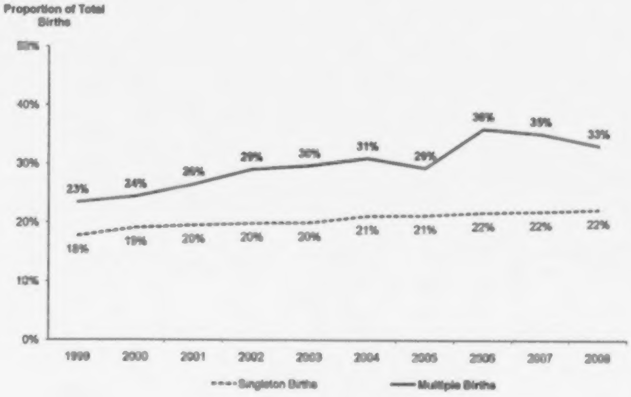
Note: Percent based upon perinatal conditions. Percent (*) based upon live births for the maternal age group. Total percentage may not add up to 100 due to rounding. N.S. - Not stated. Non-residents are excluded.

Vital Statistics Information Box

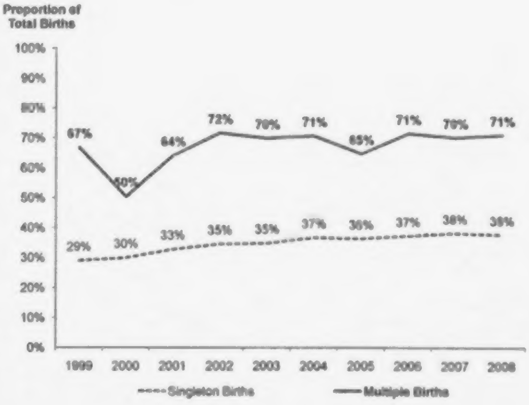
BIRTH AND OLDER MOTHERS IN BRITISH COLUMBIA 1999 - 2008

Older mothers, those aged 35 and over have increased their share of the total births to women in British Columbia. Since 1999, the share of singleton births attributable to older mothers has increased by nearly 34 percent and the share of multiple births attributable to older mothers has almost doubled. More of these births are via Cesarean section, however, the proportion of these births considered to be Low Birth Weight has remained relatively stable.

PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER
BRITISH COLUMBIA, 1999 - 2008



PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER BIRTHED
VIA CESAREAN SECTION
BRITISH COLUMBIA, 1999 - 2008



PROPORTION OF SINGLETON AND MULTIPLE BIRTHS
TO MOTHERS AGED 35 AND OLDER WITH
LOW BIRTH WEIGHT (<2500 GRAMS)
BRITISH COLUMBIA, 1999 - 2008

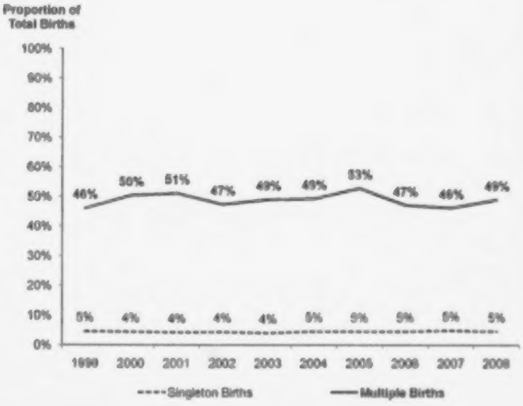


Table 20

PERINATAL CONDITIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA,

British Columbia, 2003–2007 and 2008

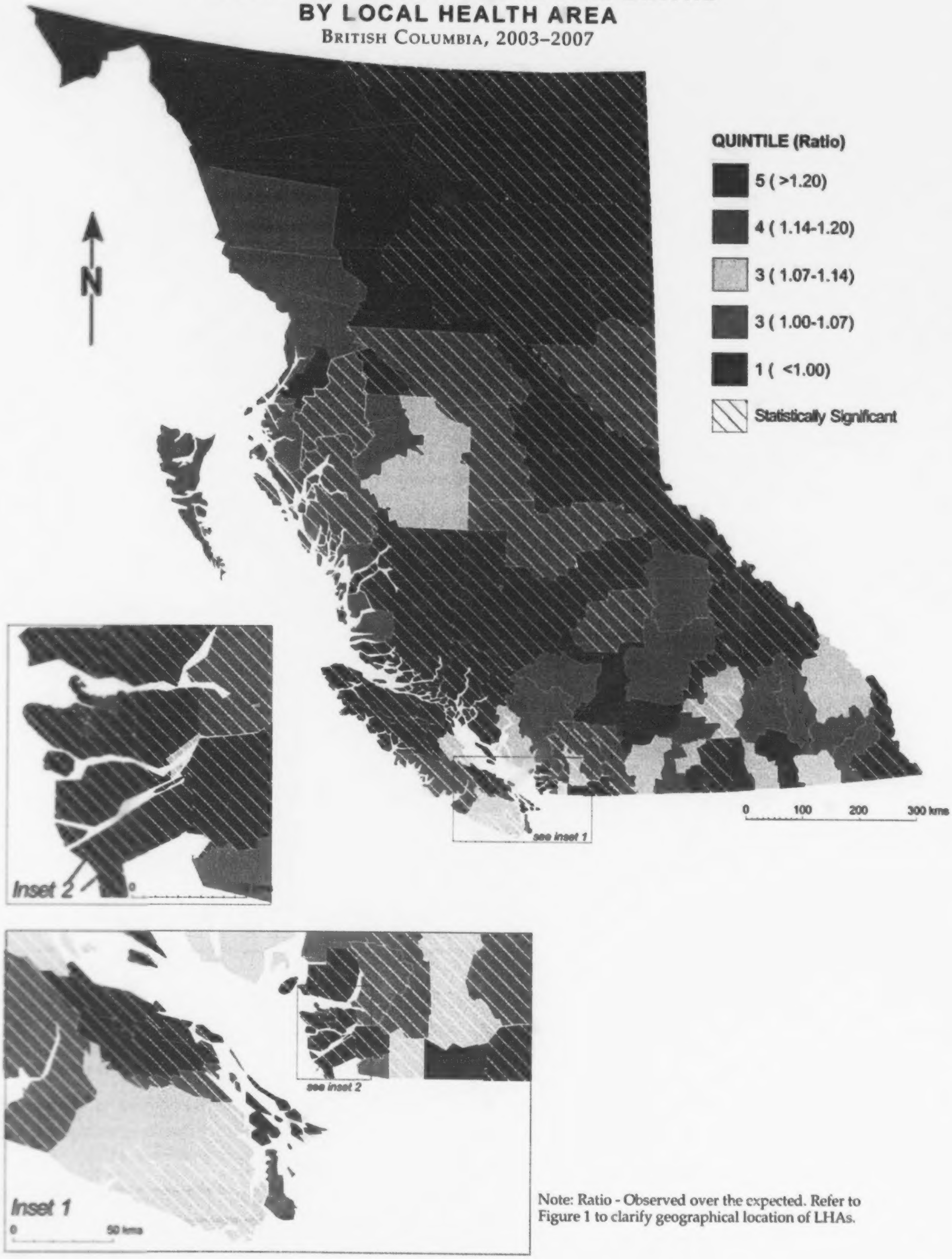
Local Health Area		2003–2007					2008					
		Observed Births	Ratio	(p)	Percent	Total Live Births	Observed Births	Expected Births	Ratio	(p)	Percent	Total Live Births
001	Fernie	260	1.22	•	40.8	637	47	51.2	0.92		32.0	147
002	Cranbrook	392	1.03		34.4	1,138	95	92.9	1.02		35.6	267
003	Kimberley	123	1.18		39.3	313	35	28.5	1.23		42.7	82
004	Windermere	141	1.13		37.8	373	31	33.4	0.93		32.3	96
005	Creston	203	1.06		35.5	572	44	40.7	1.08		37.6	117
006	Kootenay Lake	58	1.04		34.7	167	6	6.6	0.91		31.6	19
007	Nelson	370	1.00		33.2	1,114	76	86.3	0.88		30.6	248
009	Castlegar	169	1.12		37.2	454	27	30.6	0.88		30.7	88
010	Arrow Lakes	58	1.03		34.3	169	12	11.8	1.01		35.3	34
011	Trail	267	1.14	•	37.9	705	67	64.0	1.05		36.4	184
012	Grand Forks	101	0.90		30.1	336	14	18.8	0.74		25.9	54
013	Kettle Valley	27	0.63	•	20.9	129	8	9.4	0.85		29.6	27
014	Southern Okanagan	187	0.92		30.7	610	50	51.2	0.98		34.0	147
015	Penticton	519	1.04		34.8	1,490	124	121.8	1.02		35.4	350
016	Keremeos	72	1.15		38.5	187	12	13.6	0.88		30.8	39
017	Princeton	47	1.13		37.6	125	7	9.4	0.74		25.9	27
018	Golden	136	1.28	•	42.0	324	36	28.2	1.28		44.4	81
019	Revelstoke	165	1.33	•	44.2	373	33	24.0	1.37		47.8	69
020	Salmon Arm	492	1.21	•	40.4	1,217	110	99.2	1.11		38.6	285
021	Armstrong - Spallumcheen	138	1.03		34.3	402	37	33.4	1.11		38.5	96
022	Vernon	904	1.04		34.8	2,596	209	194.5	1.07		37.4	559
023	Central Okanagan	2,369	1.00		33.4	7,099	590	560.0	1.05		36.7	1,609
024	Kamloops	1,616	1.04		34.8	4,643	360	363.0	0.99		34.5	1,043
025	100 Mile House	189	1.16	•	38.7	489	58	41.4	1.40	•	48.7	119
026	North Thompson	75	1.02		34.1	220	14	15.7	0.89		31.1	45
027	Cariboo - Chilcotin	666	1.39	•	46.4	1,436	132	105.1	1.26	•	43.7	302
028	Quesnel	459	1.16	•	38.8	1,182	107	90.5	1.18		41.2	260
029	Lillooet	102	1.20		40.2	254	15	19.5	0.77		26.8	56
030	South Cariboo	97	0.97		32.4	299	14	18.1	0.77		26.9	52
031	Merritt	187	0.98		32.6	574	46	40.4	1.14		39.7	116
032	Hope	141	1.17		39.1	361	38	31.0	1.23		42.7	89
033	Chilliwack	1,890	1.21	•	40.3	4,687	389	343.5	1.13	•	39.4	987
034	Abbotsford	2,735	0.99		33.1	8,274	622	596.5	1.04		36.3	1,714
035	Langley	2,359	1.12	•	37.5	6,297	520	487.9	1.07		37.1	1,402
037	Delta	1,416	0.91	•	30.3	4,669	292	297.2	0.98		34.2	854
038	Richmond	2,157	0.82	•	27.2	7,926	480	594.1	0.81	•	28.1	1,707
040	New Westminster	1,179	1.09	•	36.3	3,250	255	231.1	1.10		38.4	664
041	Burnaby	2,947	0.83	•	27.6	10,667	623	785.5	0.79	•	27.6	2,257
042	Maple Ridge	1,773	1.17	•	38.9	4,553	394	345.2	1.14	•	39.7	992
043	Coquitlam	3,647	1.06	•	35.5	10,268	726	725.3	1.00		34.8	2,084
044	North Vancouver	1,792	0.86	•	28.8	6,228	403	421.1	0.96		33.3	1,210
045	West Vancouver-Bowen Is.	417	0.83	•	27.7	1,508	64	83.2	0.77	•	26.8	239
046	Sunshine Coast	332	1.07		35.8	928	91	85.3	1.07		37.1	245
047	Powell River	274	1.23	•	41.1	666	53	48.0	1.10		38.4	138
048	Howe Sound	680	0.99		33.0	2,058	157	167.0	0.94		32.7	480
049	Bella Coola Valley	116	1.43	•	47.7	243	20	16.0	1.25		43.5	46
050	Queen Charlotte	105	1.19		39.6	265	23	17.7	1.30		45.1	51
051	Snow Country	9	0.93		31.0	29	3	2.4	1.23		42.9	7
052	Prince Rupert	312	1.05		35.1	890	77	61.9	1.24		43.3	178
053	Upper Skeena	165	1.47	•	49.0	337	22	20.9	1.05		36.7	60
054	Smithers	391	1.08		35.4	1,105	79	71.3	1.11		38.5	205
055	Burns Lake	160	1.08		36.1	443	25	27.5	0.91		31.6	79
056	Nechako	422	1.17	•	38.9	1,085	92	74.8	1.23	•	42.8	215
057	Prince George	2,187	1.23	•	41.2	5,312	471	399.2	1.18	•	41.1	1,147
059	Peace River South	574	1.17	•	39.0	1,470	157	119.7	1.31	•	45.6	344
060	Peace River North	763	0.85	•	28.3	2,695	196	209.5	0.94		32.6	602
061	Greater Victoria	3,025	1.02		34.1	8,871	653	628.5	1.04		36.2	1,806
062	Sooke	1,099	1.09	•	36.3	3,026	311	268.0	1.16	•	40.4	770
063	Saanich	716	1.07		35.8	1,998	162	134.7	1.20	•	41.9	387
064	Gulf Islands	129	0.91		30.5	423	39	33.1	1.18		41.1	95
065	Cowichan	952	1.13	•	37.8	2,520	206	193.1	1.07		37.1	555
066	Lake Cowichan	78	1.12		37.5	208	15	16.0	0.94		32.6	46
067	Ladysmith	283	1.13	•	37.8	748	56	46.6	1.20		41.8	134
068	Nanaimo	1,845	1.31	•	43.8	4,213	388	323.0	1.20	•	41.8	928
069	Qualicum	485	1.22	•	40.6	1,196	109	94.3	1.16		40.2	271
070	Alberni	602	1.16	•	38.6	1,559	148	117.3	1.26	•	43.9	337
071	Courtenay	848	1.08	•	36.0	2,354	202	174.4	1.16	•	40.3	501
072	Campbell River	741	1.23	•	41.0	1,806	189	145.5	1.30	•	45.2	418
075	Mission	791	1.09	•	36.3	2,181	196	177.5	1.10		38.4	510
076	Agassiz - Harrison	193	1.22	•	40.6	475	41	33.4	1.23		42.7	96
077	Summerland	127	1.05		34.9	364	27	24.7	1.09		38.0	71
078	Enderby	119	1.08		36.1	330	35	28.2	1.24		43.2	81
080	Kitimat	174	1.19	•	39.6	439	42	31.7	1.33		46.2	91
081	Fort Nelson	147	0.86		28.7	513	28	35.8	0.78		27.2	103
083	Central Coast	56	1.16		38.6	145	22	11.1	1.98	•	68.8	32
084	Vancouver Island West	55	1.49	•	49.5	111	15	12.5	1.20		41.7	36
085	Vancouver Island North	323	1.26	•	41.9	770	64	51.2	1.25		43.5	147
087	Stikine	12	1.44		48.0	25	1	1.4	0.72		25.0	4
088	Terrace	462	1.13	•	37.8	1,222	114	90.1	1.26	•	44.0	259
092	Nisga'a	63	1.27		42.3	149	21	12.9	1.63	•	56.8	37
094	Telegraph Creek	18	1.20		40.0	45	1	3.8	0.26		9.1	11
161	Vancouver - City Centre	1,307	0.92	•	30.8	4,238	319	338.3	0.94		32.8	972
162	Vancouver - Downtown E.side	788	1.02		34.1	2,314	152	156.6	0.97		33.8	450
163	Vancouver - North East	1,443	0.79	•	26.3	5,490	312	387.3	0.81	•	28.0	1,113
164	Vancouver - Westside	1,616	0.86	•	28.7	5,637	353	396.4	0.89	•	31.0	1,139
165	Vancouver - Midtown	1,469	0.88	•	29.3	5,010	333	365.8	0.91		31.7	1,051
166	Vancouver - South	1,725	0.79	•	26.4	6,524	386	463.2	0.83	•	29.0	1,331
201	Surrey	6,704	0.88	•	29.2	22,937	1,543	1,812.8	0.85	•	29.6	5,209
202	South Surrey/White Rock	910	1.03		34.4	2,642	194	189.7	1.02		35.6	545
	PROVINCIAL TOTAL	**68,869**	**1.00**		**33.4**	**206,418**	**15,367**	**15,367.0**	**1.00**		**34.8**	**44,186**

Note: *Statistical testing indicates that observed number of births with perinatal conditions is signficantly different from the expected (p<0.05, two tailed). Ratio-observed over the expected. Percent of births is based on total live births and includes residents with unknown LHA and excludes non-residents.

FIGURE 34

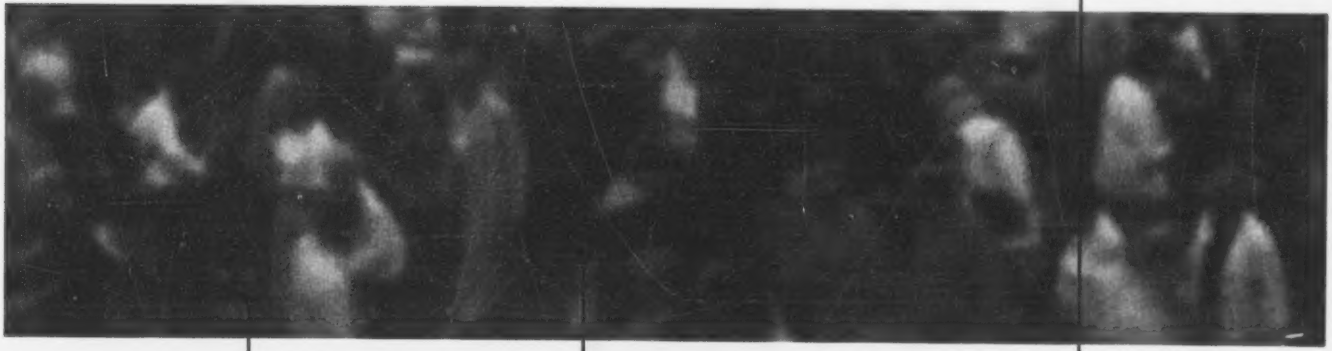
PERINATAL CONDITIONS IN LIVE BIRTHS BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003–2007


QUINTILE (Ratio)
5 (>1.20)
4 (1.14-1.20)
3 (1.07-1.14)
3 (1.00-1.07)
1 (<1.00)
Statistically Significant
N
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of LHAs.

Death-related Statistics



Vital Statistics Information Box

DEATHS BY DECEDENT'S COUNTRY OF BIRTH

BRITISH COLUMBIA, 2008

Area	Province/Country	Deaths
Canada	**Total**	**21,372**
	British Columbia	8,399
	Saskatchewan	3,973
	Alberta	3,057
	Manitoba	2,189
	Ontario	2,187
	Quebec	726
	Nova Scotia	410
	New Brunswick	212
	Newfoundland & Labrador	124
	Prince Edward Island	42
	Yukon	28
	Northwest Territories & Nunavut	16
	Unknown Province	9
North and Central America	**Total**	**823**
	United States	739
	Other North and Central American Countries	84
South America		**93**
Europe	**Total**	**6,470**
	England	1,980
	Other United Kingdom	863
	Germany	684
	Netherlands	455
	Italy	366
	Scandinavian Countries	346
	Poland	283
	Hungary	158
	Russia	157
	Ireland	144
	Other European Countries	1,034
Asia and the Middle East	**Total**	**2,548**
	China	1,025
	India	639
	Philippines	188
	Hong Kong	174
	Vietnam	102
	Japan	53
	Korea	66
	Iran	44
	Pakistan	41
	Other Asian and the Middle Eastern Countries	216
Africa	**Total**	**203**
	South Africa	66
	Other African Countries	137
Oceania	**Total**	**204**
	Fiji	121
	Australia	53
	New Zealand	27
	Other Oceanic Countries	3
Unknown	**Total**	**179**
Total		**31,892**

Note: Non-residents are excluded.

Death Introduction

In recognition of the importance of mortality statistics for health surveillance, planning and research, a comprehensive array of tables is presented in this part of the report. Causes of death and/or age at death form the base of most tables because they are crucial components of health status for regional, national, and international comparisons. While other causes may have contributed to the death, the *Underlying Cause of Death* (UCOD) (see *Glossary*) is defined as the condition or injury that initiated the train of events leading directly to the death, and was used for these tabulations. All causes are identified according to the World Health Organization's *International Statistical Classification of Diseases and Related Health Problems, Tenth Revision* (ICD-10) which is a statistical coding system and the accepted international standard for mortality coding. The groups of codes used to define particular topics are noted in the tables.

Deaths – General Indicators

An overall view of the number of deaths by ICD-10 chapters by age group and gender is shown in Table 21. It provides a summary of the contribution of the 19 diagnostic categories to total deaths in BC in 2008. More detailed information for the same age groups appears in Appendix 2, which provides counts at the "3 character level". Although the causes shown in Appendix 2 ("Detailed Cause of Death by Gender and Age") are fairly specific, most ICD-10 codes consist of four or five characters, and are therefore even more detailed than the "roll ups" shown in Appendix 2. Neoplasms and diseases of the circulatory system accounted for most of the deaths in 2008 for both genders. Deaths in those two categories are further analysed in the following sections.

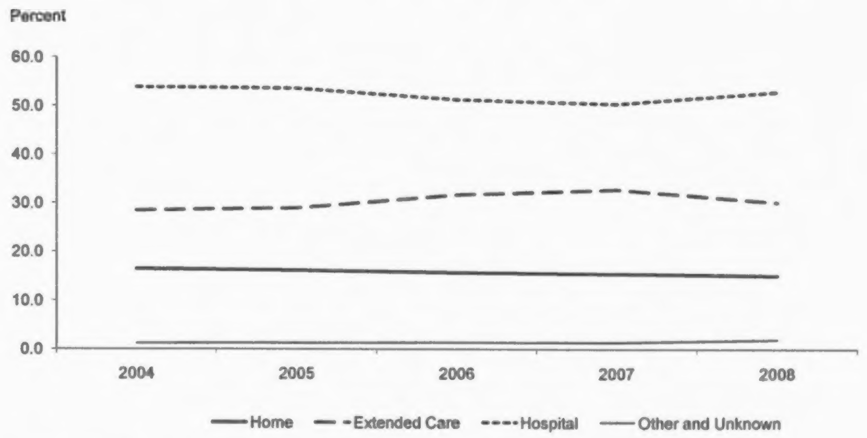
Vital Statistics Information Box

PLACE OF DEATH FOR DEATHS FROM NATURAL CAUSES
BRITISH COLUMBIA, 2004 - 2008

Deaths from natural causes in 2004 to 2008 were examined to determine the place of death. The majority of these deaths to British Columbia residents occurred in hospital (52.4 % over the five year period). 15.8 percent of deaths from natural causes occurred at home and 30.4 percent occurred in extended care facilities.

	2004		2005		2006		2007		2008		2004-2008	
Place of Death	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**No.**	**%**	**Total**	**%**
Home	4,574	16.5	4,535	16.1	4,500	15.7	4,540	15.5	4,579	15.1	22,728	15.8
Extended Care	7,916	28.5	8,139	29.0	9,087	31.7	9,609	32.7	9,141	30.1	43,892	30.4
Hospital	14,973	53.9	15,059	53.6	14,711	51.3	14,779	50.4	16,029	52.8	75,551	52.4
Other and Unknown	335	1.2	374	1.3	402	1.4	420	1.4	597	2.0	2,128	1.5
Total	**27,798**	**100.0**	**28,107**	**100.0**	**28,700**	**100.0**	**29,348**	**100.0**	**30,346**	**100.0**	**144,299**	**100.0**

PERCENT OF DEATHS FROM NATURAL CAUSES BY PLACE OF DEATH
BRITISH COLUMBIA, 2004 - 2008



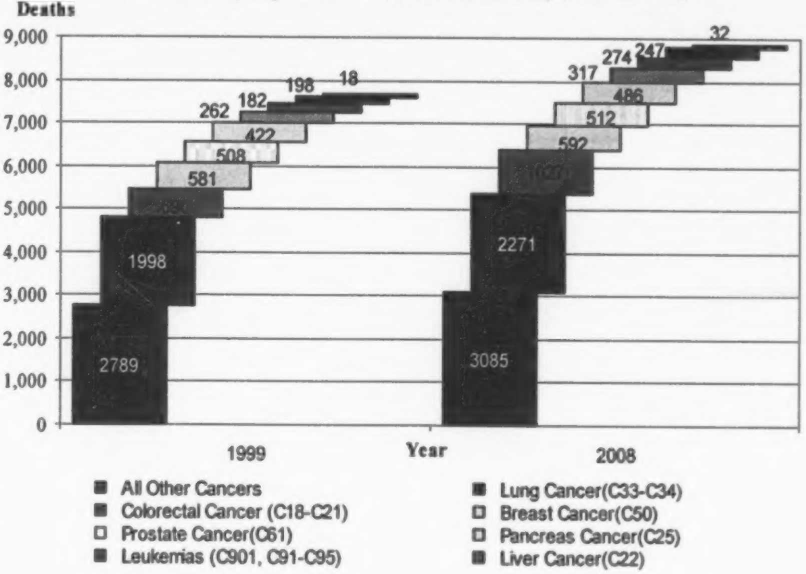
Note: The BC Vital Statistics Agency changed the way the place of death is recorded in 2008.

Vital Statistics Information Box

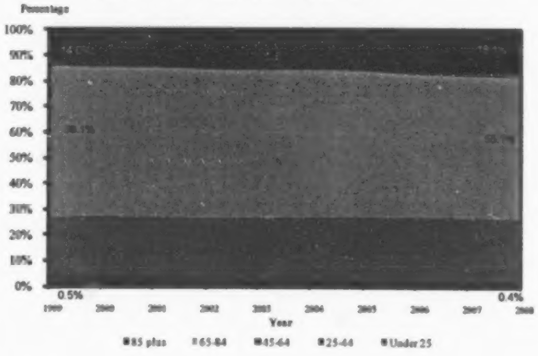
CANCER DEATHS IN BRITISH COLUMBIA, 1999 TO 2008

More British Columbians succumbed to Cancer or Malignant Neoplasms (ICD Codes C00-C97) than any other cause in 2008. The following charts illustrate the trends and changes in deaths caused by Cancer from 1999 to 2008. As illustrated, the proportion of deaths caused by specific types of Cancer has not changed substantially from 1999 to 2008. However, those dying of Cancer in 2008 are older than they were in 1999 and larger shares of them are female. Both the Age Standardized Mortality Rate (ASMR) rate and Potential Years of Life Lost (PYLLSR) have fallen.

Cancer Deaths, by Type of Cancer, British Columbia, 1999 and 2008



Share of Cancer Deaths by Age Group 1999-2008



Age Standardized Mortality Rate and PYLLSR, Cancer Deaths, British Columbia 1999 to 2008

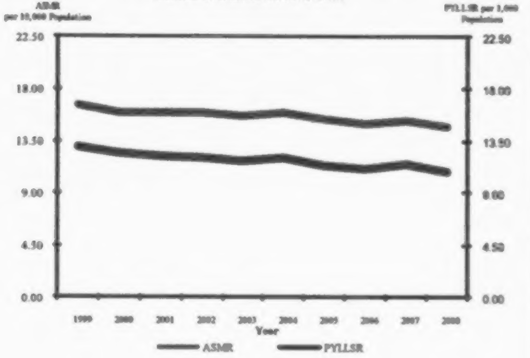


TABLE 21

CAUSES OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

			Age Group (in Years)										Total		
ICD-10 Code(s)	Causes of Death	Gender	<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Number	Percent	ASMR
A00-B99	Certain infectious and parasitic diseases	M	2	1	1	1	-	-	29	128	60	97	319	2.0	1.16
		F	-	-	-	-	2	-	11	53	61	134	261	1.7	0.74
		T	2	1	1	1	2	-	40	181	121	231	580	1.8	0.94
C00-D48	Neoplasms	M	3	2	1	5	7	5	64	1,131	2,020	1,590	4,828	29.6	17.73
		F	1	2	3	2	2	7	128	1,036	1,589	1,432	4,202	27.0	13.01
		T	4	4	4	7	9	12	192	2,167	3,609	3,022	9,030	28.3	15.02
D50-D89	Diseases of blood and blood-forming organs,certain immune mechanisms	M	1	1	-	-	-	-	1	4	12	14	33	0.2	0.13
		F	-	-	-	1	-	-	4	6	3	43	57	0.4	0.15
		T	1	1	-	1	-	-	5	10	15	57	90	0.3	0.14
E00-E90	Endocrine/nutritional/metabolic diseases	M	1	-	-	-	2	1	17	135	268	273	697	4.3	2.57
		F	3	-	-	-	3	1	5	66	173	349	600	3.8	1.63
		T	4	-	-	-	5	2	22	201	441	622	1,297	4.1	2.07
F00-F99	Mental and behavioural disorders	M	-	-	-	-	-	3	5	64	95	298	465	2.9	1.66
		F	-	-	-	-	1	2	7	22	64	613	709	4.5	1.56
		T	-	-	-	-	1	5	12	86	159	911	1,174	3.7	1.63
G00-G99	Diseases of the nervous system	M	2	3	2	-	3	6	18	65	180	291	570	3.5	2.11
		F	1	4	1	-	2	2	6	60	180	505	761	4.9	1.98
		T	3	7	3	-	5	8	24	125	360	796	1,331	4.2	2.05
H00-H59	Diseases of the eye and adnexa	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1	0.0	+
		T	-	-	-	-	-	-	-	-	-	1	1	0.0	+
H60-H95	Diseases of the ear and mastoid process	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	-	-	-	1	0.0	+
		T	-	-	-	-	-	-	1	-	-	-	1	0.0	+
I00-I99	Diseases of the circulatory system	M	-	1	-	1	1	1	69	736	1,483	2,543	4,835	29.7	17.51
		F	-	-	-	2	1	1	32	268	841	3,957	5,102	32.7	12.01
		T	-	1	-	3	2	2	101	1,004	2,324	6,500	9,937	31.2	14.62
J00-J99	Diseases of the respiratory system	M	1	1	-	-	-	2	19	162	549	1,044	1,778	10.9	6.47
		F	1	-	-	-	1	2	17	107	383	1,179	1,690	10.8	4.22
		T	2	1	-	-	1	4	36	269	932	2,223	3,468	10.9	5.17
K00-K93	Diseases of the digestive system	M	1	-	-	-	1	-	27	220	213	230	692	4.2	2.50
		F	1	-	-	-	-	1	19	105	169	377	672	4.3	1.83
		T	2	-	-	-	1	1	46	325	382	607	1,364	4.3	2.16
L00-L99	Diseases of the skin and subcutaneous tissue	M	-	-	-	-	-	-	1	3	10	15	29	0.2	0.11
		F	-	-	-	-	-	-	1	1	2	38	42	0.3	0.09
		T	-	-	-	-	-	-	2	4	12	53	71	0.2	0.10
M00-M99	Diseases of the musculoskeletal system and connective tissue	M	-	-	-	-	-	-	3	17	15	18	53	0.3	0.19
		F	-	-	-	-	-	1	2	21	40	87	151	1.0	0.40
		T	-	-	-	-	-	1	5	38	55	105	204	0.6	0.31
N00-N99	Diseases of the genitourinary system	M	-	1	-	-	-	-	2	32	89	211	335	2.1	1.21
		F	-	-	-	-	-	-	4	21	70	298	393	2.5	0.94
		T	-	1	-	-	-	-	6	53	159	509	728	2.3	1.06
O00-O99	Complications of pregnancy, childbirth and the puerperium	M	-	-	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	1	-	-	1	-	2	0.0	+
		T	-	-	-	-	-	1	-	-	1	-	2	0.0	+
P00-P96	Certain conditions originating in the perinatal period	M	42	-	-	-	1	-	-	-	-	-	43	0.3	0.28
		F	38	-	1	-	-	1	-	-	-	-	40	0.3	0.27
		T	80	-	1	-	1	1	-	-	-	-	83	0.3	0.27
Q00-Q99	Congenital anomalies	M	17	2	-	-	1	1	6	6	5	3	41	0.3	0.22
		F	18	1	2	1	-	2	7	6	7	8	52	0.3	0.26
		T	35	3	2	1	1	3	13	12	12	11	93	0.3	0.24
R00-R99	Symptoms, signs and ill-defined conditions, unknown causes	M	24	5	7	1	26	38	146	204	53	55	559	3.4	2.40
		F	8	4	3	2	11	14	63	101	44	83	333	2.1	1.22
		T	32	9	10	3	37	52	209	305	97	138	892	2.8	1.81
V01-Y98	External causes	M	-	2	4	10	35	60	310	318	139	150	1,028	6.3	4.33
		F	-	-	-	2	18	22	78	143	72	183	518	3.3	1.70
		T	-	2	4	12	53	82	388	461	211	333	1,546	4.8	3.00
	All causes	**M**	**94**	**19**	**15**	**18**	**77**	**117**	**717**	**3,225**	**5,191**	**6,832**	**16,305**	**100.0**	**60.56**
		F	**71**	**11**	**10**	**10**	**41**	**57**	**385**	**2,016**	**3,699**	**9,287**	**15,587**	**100.0**	**42.01**
	PROVINCIAL TOTAL	**T**	**165**	**30**	**25**	**28**	**118**	**174**	**1,102**	**5,241**	**8,890**	**16,119**	**31,892**	**100.0**	**50.59**

Note: ASMR per 10,000 standard population (Canada 1991 Census). Total percentage may not add up to 100 due to rounding. + Denotes the number of cases is less than five. Non-residents are excluded. Total includes unknown gender. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

Leading Causes of Death

Table 22 shows the 12 leading causes of death in BC. The two leftmost columns list the cause and the corresponding codes in ICD-10. For 2003-2007 period and the year 2008, the following four values are shown: number of deaths, the rank by number of deaths, the ASMR, and the rank by ASMR. The rows of the table are in the order of the 2008 ASMR rank.

For 2008, the 12 leading causes of death shown in Table 22 were responsible for 85.0 percent of all deaths. The top three causes of death were the same for both time periods, not only in the rank by number of deaths, but also in ASMR rank. They are *Malignant Neoplasms, Cardiovascular Diseases* and *Cerebrovascular Diseases*. For 2008, these three leading causes account for 57.3 percent of all deaths.

Figure 35 shows the number of deaths from Table 22 in 2008 graphically. It shows clearly the impact of the top three categories, causing more than half of all deaths.

Table 23 shows the five leading causes of death in the seven different age groupings. The leading cause of death among those under 1 year of age (infant mortality), were *Conditions Originating in the Perinatal Period* with 48.5 percent of the deaths attributable to this cause. The second highest cause of infant deaths was *Congenital Malformations and Chromosomal Abnormalities*. More than half of all infant deaths occurred in the first seven days after birth and 64.8 percent occurred within the first 28 days after birth (see Table 27). Males accounted for 57.0 percent of the deaths among those under 1 year of age. Infant mortality is examined in more detail in the next section.

Among children 1 to 14 years old, *Unintentional Injuries* were the most common cause of deaths for both genders combined however, most of these were male. *Malignant Neoplasms* claimed slightly more male than female lives. *Congenital Malformations and Chromosome Abnormalities* claimed more females than males whereas *Other Disorders of the Nervous System* claimed equal numbers of males and females.

By contrast, *Unintentional Injuries* were the leading cause of death, particularly for males, in the age groups 15-24 and 25-44. These causes include events such as motor vehicle accidents, falls, and unintentional poisonings. A more detailed list of the included causes by ICD codes appears in Appendix 2. Counts of death due to *Unintentional Injuries, Suicide*, and *Homicide* (collectively referred to as "external causes of death") in the current year tend to underestimate the actual figures due to known delays in determining final causes of deaths. As a result it can be anticipated that these numbers will be revised upwards in subsequent annual reports.

Between 15 and 24 years of age, *Suicide* ranked second as the leading cause of death after *Unintentional Injuries* (see also Table 35). There were substantially fewer female deaths in this age group as shown in Table 23. In the age group between 25 and 44, ***Malignant Neoplasms*** were second most common cause of death with female deaths outnumbering males and comprising the largest proportion of female mortality in this age group.

Malignant Neoplasms were the leading cause of death for those between 45 and 64 years, accounting for 34.7 percent of deaths for males and 50.9 percent of deaths for females in this age group.

Between 65 and 84 years of age, 34.6 percent of the deaths were due to *Malignant Neoplasms*, followed by *Cardiovascular Disease* which caused 20.8 percent of deaths. For those 85 years and older, the order of those two cause categories was reversed with *Cardiovascular Disease* causing 29.5 percent of deaths and *Malignant Neoplasms* causing 14.6 percent.

Malignant Neoplasms were ranked in the first three leading causes of death in each age group for those over 1 year of age and was the overall leading cause of death in BC in 2003 to 2007, as well as in 2008 (see Table 22 and Figure 35). Notwithstanding, the age-standardized mortality rates for total *Malignant Neoplasms* and for *Lung Cancer* have declined over the last two decades (see Figures 19 and 20).

TABLE 22

TWELVE LEADING CAUSES OF DEATH

BRITISH COLUMBIA, 2003–2007 AND 2008

Cause of Death	ICD-10 Code(s)	2003–2007				2008			
		Number	Rank	ASMR	Rank	Number	Rank	ASMR	Rank
Malignant neoplasms	C00-C97	42,235	1	15.40	1	8,843	1	14.73	1
Cardiovascular disease	I00-I51	33,857	2	11.21	2	7,014	2	10.36	2
Cerebrovascular diseases	I60-I69	11,323	3	3.68	3	2,409	3	3.47	3
Chronic Pulmonary Disease	J40-J44	6,339	6	2.17	5	1,489	4	2.28	4
Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	6,659	4	2.78	4	1,074	6	2.00	5
Pneumonia/Influenza	J09-J181, J188, J189	6,603	5	2.09	6	1,285	5	1.83	6
Diabetes mellitus	E10-E14	4,980	7	1.75	7	1,021	7	1.63	7
Other diseases of digestive system	K00-K67, K80-K93	4,017	8	1.35	8	900	9	1.35	8
Vascular/senile dementia	F01, F03	3,526	9	1.07	12	985	8	1.31	9
Other disorders of the nervous system	G00-G25, G31-G99	3,082	12	1.11	10	686	12	1.16	10
Other diseases of the respiratory system	J00-J06, J182, J20-J39, J45-J98	2,957	13	1.00	15	694	11	1.06	11
Urinary system diseases	N00-N39, N990, N991, N995	3,285	11	1.07	13	704	10	1.02	12
Other causes[1]		21,768		8.25		4,788		8.38	
TOTAL (All causes of death)		**150,631**		**52.93**		**31,892**		**50.59**	

Note: [1] Other causes includes undetermined and pending.
ASMR – per 10,000 standard population (Canada 1991 Census).
The ASMR in the current year determined the order in which the causes of death are presented.
Leading causes are ranked according to 2008 ASMR.
Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time.
Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 35

TWELVE LEADING CAUSES OF DEATH

BRITISH COLUMBIA, 2008

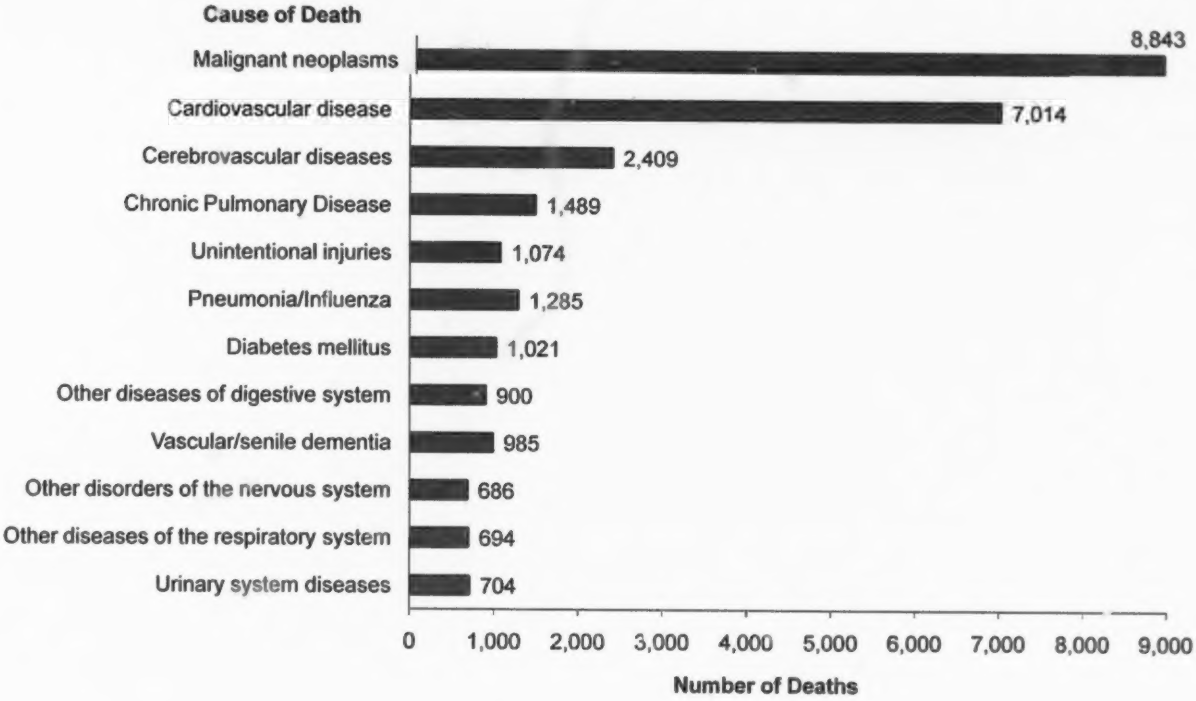


TABLE 23

LEADING CAUSES OF DEATH BY AGE AND GENDER

BRITISH COLUMBIA, 2008

Cause of Death	ICD-10 Code(s)	Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent
Under 1 Year Old							
1. Certain conditions originating in the perinatal period	P00-P96	42	44.7	38	53.5	80	48.5
2. Congenital malformations and chromosome abnormalities	Q00-Q99	17	18.1	18	25.4	35	21.2
3. Sudden infant death syndrome	R95	11	11.7	1	1.4	12	7.3
4. Metabolic disorders	E70-E89	-	-	3	4.2	3	1.8
5. Other disorders of the nervous system	G00-G25, G31-G99	2	2.1	1	1.4	3	1.8
Other causes[1]		22	23.4	10	14.1	32	19.4
All causes		**94**	**100.0**	**71**	**100.0**	**165**	**100.0**
1-14 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	13	25.0	2	6.5	15	18.1
2. Malignant neoplasms	C00-C97	8	15.4	6	19.4	14	16.9
3. Other disorders of the nervous system	G00-G25, G31-G99	5	9.6	5	16.1	10	12.0
4. Congenital malformations and chromosome abnormalities	Q00-Q99	2	3.8	4	12.9	6	7.2
5. Certain infectious and and parasitic diseases	A00-B99	3	5.8	-	-	3	3.6
Other causes[1]		21	40.4	14	45.2	35	42.2
All causes		**52**	**100.0**	**31**	**100.0**	**83**	**100.0**
15-24 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	53	27.3	31	31.6	84	28.8
2. Suicide	X60-X84, Y870	32	16.5	7	7.1	39	13.4
3. Malignant neoplasms	C00-C97	12	6.2	9	9.2	21	7.2
4. Other disorders of the nervous system	G00-G25, G31-G99	9	4.6	4	4.3	13	4.5
5. Homicide	X85-Y09, Y871	10	5.2	2	2.0	12	4.1
Other causes[1]		78	40.2	45	45.9	123	42.1
All causes		**194**	**100.0**	**98**	**100.0**	**292**	**100.0**
25-44 Years Old							
1. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	177	24.7	46	11.9	223	20.2
2. Malignant neoplasms	C00-C97	63	8.8	127	33.0	190	17.2
3. Suicide	X60-X84, Y870	119	16.6	29	7.5	148	13.4
4. Cardiovascular disease	I00-I51	51	7.1	21	5.5	72	6.5
5. Certain infectious and parasitic diseases	A00-B99	29	4.0	11	2.9	40	3.6
Other causes[1]		278	38.8	151	39.2	429	38.9
All causes		**717**	**100.0**	**385**	**100.0**	**1,102**	**100.0**

(concluded on next page)

Note: Order of leading causes based on total deaths in the specified age group.

[1] Other causes includes undetermined and pending. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

TABLE 23 – *concluded*

LEADING CAUSES OF DEATH BY AGE AND GENDER

BRITISH COLUMBIA, 2008

Cause of Death	ICD-10 Code(s)	Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent
45-64 Years Old							
1. Malignant neoplasms	C00-C97	1,118	34.7	1,026	50.9	2,144	40.9
2. Cardiovascular disease	I00-I51	616	19.1	174	8.6	790	15.1
3. Unintentional injuries	V01-X59, Y40-Y86, Y880-Y883	211	6.5	86	4.3	297	5.7
4. Diseases of liver	K70-K76	161	5.0	84	4.2	245	4.7
5. Certain infectious and parasitic diseases	A00-B99	128	4.0	53	2.6	181	3.5
Other causes[1]		991	30.7	593	29.4	1,584	30.2
All causes		**3,225**	**100.0**	**2,016**	**100.0**	**5,241**	**100.0**
65-84 Years Old							
1. Malignant neoplasms	C00-C97	2,704	34.4	2,166	34.9	4,870	34.6
2. Cardiovascular disease	I00-I51	1,741	22.2	1,179	19.0	2,920	20.8
3. Cerebrovascular diseases	I60-I69	508	6.5	479	7.7	987	7.0
4. Chronic Pulmonary Disease	J40-J44	470	6.0	357	5.8	827	5.9
5. Diabetes mellitus	E10-E14	341	4.3	227	3.7	568	4.0
Other causes[1]		2,090	26.6	1,795	28.9	3,885	27.6
All causes		**7,854**	**100.0**	**6,203**	**100.0**	**14,057**	**100.0**
85 Years and Older							
1. Cardiovascular disease	I00-I51	1,197	28.7	2,030	29.9	3,227	29.5
2. Malignant neoplasms	C00-C97	810	19.4	792	11.7	1,602	14.6
3. Cerebrovascular diseases	I60-I69	364	8.7	898	13.2	1,262	11.5
4. Pneumonia/Influenza	J09-J181, J188, J189	295	7.1	430	6.3	725	6.6
5. Vascular/senile dementia	F01, F03	194	4.7	480	7.1	674	6.2
Other causes[1]		1,309	31.4	2,153	31.7	3,462	31.6
All causes		**4,169**	**100.0**	**6,783**	**100.0**	**10,952**	**100.0**

Notes for this table are on previous page.

Infant Mortality

BC had lower infant mortality rates than Canada as a whole from 1992 until 2005, the most recent year for which information on Canadian infant mortality rates is available (see Table 5). There were 165 infant deaths in BC in 2008 or 4 deaths per 1,000 live births. The rate 20 years ago was over 8 per 1,000 live births and that has progressively declined to the rates seen in the last few years.

Table 24 shows the number of infants who died in 2008 by birth weight and maternal age group. The first column has the mother's age groups ranging from less than 20 years up to 40 years or older. The infants' birth weights are grouped across the top of the table. Across the bottom and down the right side, the table shows row and column totals, percents, and rates per 1,000 live births. The difference in infant mortality rates across the 3 birth weight categories is quite distinct: for infants with birth weights of 2,500 grams or more, 1.49 per 1,000 live births in the same birth weight category died in their first year. In the 1,500-2,499 gram group the rate was 10.79 per 1,000 live births, and infants who weigh less than 1,500 grams had an infant mortality rate of 202.25 per 1,000 live births.

In the past decade there has been no significantly increasing or decreasing trend in the infant mortality rate.

Table 25 repeats the birth weight categories and general format shown in Table 24 but replaces maternal age groups with gestational age. Of the 165 infant deaths in 2008, 56 were term births (37 to 41 weeks) with birth weights of 2,500 grams or more.

As expected, infant mortality tended to increase as birth weight and gestational age decrease. Of the infant deaths in the period, 37.6 percent were extremely premature (less than 28 weeks) and with low birth weight (less than 2,500 grams), 56.9 percent were low birth weight, 57.0 percent were premature (less than 37 weeks) and 53.3 percent were both low birth weight and premature.

Table 26 shows infant mortality in each LHA of the infants' usual residence, for 2003-2007 and for the year 2008. The left two columns show the LHA number and name. The three columns for 2003-2007 show the number of infant deaths in the LHA (Observed Deaths), the ratio, and the rate of infant deaths per 1,000 live births. In this period, there were only 8 LHAs with statistically significant ratios (four high and four low). For 2008, the table indicates the number of deaths in three age ranges, early neonatal (0 to 6 days), neonatal (0 to 27 days), and post-neonatal (28 to 364 days). The last two columns indicate the total number of infant deaths, and the infant death rate per 1,000 live births.

Causes of infant deaths and stillbirths are shown in Table 27. There were 165 infant deaths and 424 stillbirths in 2008. More than half (52.7 percent) of infant deaths in 2008 occurred in the early neonatal period, of those, 94.3 percent were due to congenital anomalies or perinatal conditions. In 2008 perinatal conditions were the cause of 48.5 percent of infant deaths and 94.8 percent of stillbirths.

TABLE 24

INFANT MORTALITY BY AGE OF MOTHER AND BIRTH WEIGHT

BRITISH COLUMBIA, 2008

Age of Mother	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	-	-	9	1	10	6.1	6.76
20-24	12	3	7	-	22	13.3	3.40
25-29	6	5	17	1	29	17.6	2.37
30-34	26	10	18	2	56	33.9	4.00
35-39	27	4	5	1	37	22.4	4.50
40+	1	-	6	-	7	4.2	3.98
N.S.	-	-	-	4	4	2.4	
TOTAL	**72**	**22**	**62**	**9**	**165**	**100.0**	**3.74**
Percent	**43.6**	**13.3**	**37.6**	**5.5**	**100.0**		
Rate	**202.25**	**10.79**	**1.49**		**3.74**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
+Denotes the number of cases is less than five.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

TABLE 25

INFANT MORTALITY BY GESTATIONAL AGE AND BIRTH WEIGHT

BRITISH COLUMBIA, 2008

Gestational Age (In Weeks)	Birth Weight (in Grams)				Total		
	<1500	1500–2499	2500+	N.S.	Number	Percent	Rate
<20	4	-	-	-	4	2.4	+
20-27	58	-	-	-	58	35.2	384.11
28-36	10	16	6	-	32	19.4	9.90
37-41	-	6	56	4	66	40.0	1.63
42+	-	-	-	-	-	-	-
N.S.	-	-	-	5	5	3.0	
TOTAL	**72**	**22**	**62**	**9**	**165**	**100.0**	**3.74**
Percent	**43.6**	**13.3**	**37.6**	**5.5**	**100.0**		
Rate	**202.25**	**10.79**	**1.49**		**3.74**		

Note: Infant Mortality – Age at death less than one year.
Rate per 1,000 live births in the specified age or birth weight group.
+ Denotes the number of cases is less than five.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.
N.S. – Not stated.

Table 26

INFANT MORTALITY BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2003–2007 AND 2008

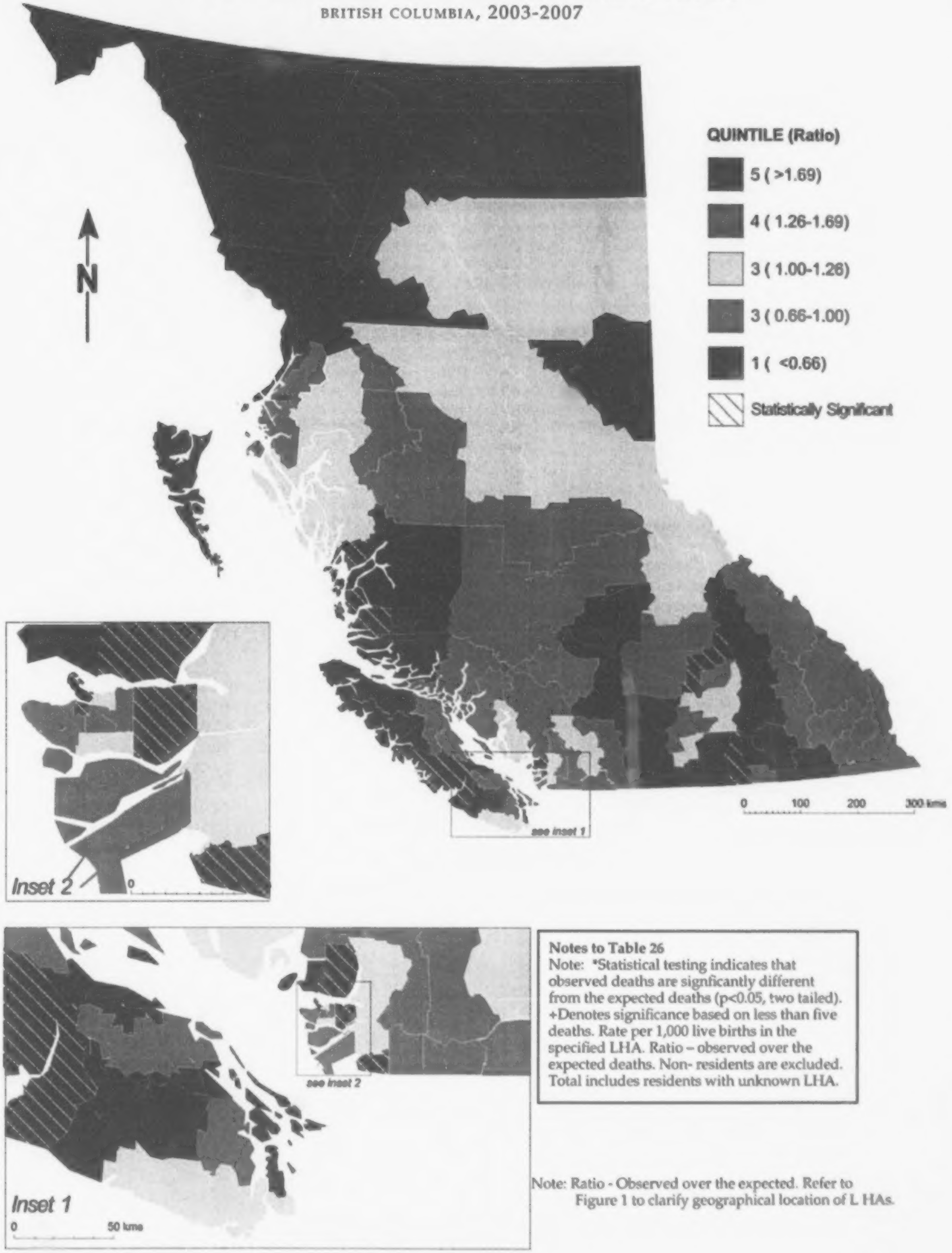
		2003–2007				2008				
						Age at Death (in Days)			Total	
Local Health Area		Observed Deaths	Ratio	(p)	Rate	0–6	0–27	28–364	Number	Rate
001	Fernie	2	0.76		3.14	1	1	-	1	6.80
002	Cranbrook	4	0.85		3.51	-	-	2	2	7.49
003	Kimberley	1	0.77		3.19	-	-	1	1	12.20
004	Windermere	2	1.30		5.36	-	-	-	-	-
005	Creston	-	-		-	-	-	-	-	-
006	Kootenay Lake	1	1.45		5.99	-	-	-	-	-
007	Nelson	3	0.65		2.69	-	-	-	-	-
009	Castlegar	1	0.53		2.20	-	-	-	-	-
010	Arrow Lakes	-	-		-	-	-	-	-	-
011	Trail	4	1.37		5.67	-	-	-	-	-
012	Grand Forks	5	3.61	*	14.88	-	-	-	-	-
013	Kettle Valley	-	-		-	-	-	-	-	-
014	Southern Okanagan	1	0.40		1.64	-	-	-	-	-
015	Penticton	7	1.14		4.70	3	3	-	3	8.57
016	Keremeos	-	-		-	-	-	-	-	-
017	Princeton	-	-		-	-	-	-	-	-
018	Golden	2	1.50		6.17	-	-	-	-	-
019	Revelstoke	4	2.60		10.72	-	-	1	1	14.49
020	Salmon Arm	11	2.19	*	9.04	-	-	-	-	-
021	Armstrong - Spallumcheen	-	-		-	-	-	-	-	-
022	Vernon	13	1.21		5.01	1	2	1	3	5.37
023	Central Okanagan	29	0.99		4.09	2	3	-	3	1.86
024	Kamloops	15	0.78		3.23	4	6	1	7	6.71
025	100 Mile House	1	0.50		2.04	-	-	1	1	8.40
026	North Thompson	1	1.10		4.55	-	-	-	-	-
027	Cariboo - Chilcotin	10	1.69		6.96	1	1	1	2	6.62
028	Quesnel	8	1.64		6.77	-	-	1	1	3.85
029	Lillooet	1	0.95		3.94	-	-	-	-	-
030	South Cariboo	3	2.43		10.03	-	-	-	-	-
031	Merritt	-	-		-	-	-	-	-	-
032	Hope	2	1.34		5.54	-	-	-	-	-
033	Chilliwack	18	0.93		3.84	2	2	2	4	4.05
034	Abbotsford	32	0.94		3.87	2	2	2	4	2.33
035	Langley	20	0.77		3.18	3	4	4	8	5.71
037	Delta	13	0.67		2.78	1	2	-	2	2.34
038	Richmond	25	0.76		3.15	4	4	1	5	2.93
040	New Westminster	10	0.75		3.08	-	-	-	-	-
041	Burnaby	26	0.59	*	2.44	4	5	1	6	2.66
042	Maple Ridge	13	0.69		2.86	-	1	-	1	1.01
043	Coquitlam	42	0.99		4.09	6	6	2	8	3.84
044	North Vancouver	15	0.56	*	2.41	2	2	-	2	1.65
045	West Vancouver-Bowen Is.	4	0.64		2.65	-	-	-	-	-
046	Sunshine Coast	4	1.04		4.31	2	2	-	2	8.16
047	Powell River	2	0.73		3.00	-	-	2	2	14.49
048	Howe Sound	14	1.65		6.80	-	-	1	1	2.08
049	Bella Coola Valley	3	2.99		12.35	-	-	-	-	-
050	Queen Charlotte	2	1.83		7.55	1	1	1	2	39.22
051	Snow Country	1	8.35		34.48	-	-	-	-	-
052	Prince Rupert	3	0.82		3.37	-	-	-	-	-
053	Upper Skeena	2	1.44		5.93	-	-	-	-	-
054	Smithers	6	1.32		5.43	-	-	-	-	-
055	Burns Lake	3	1.64		6.77	-	-	-	-	-
056	Nechako	5	1.12		4.61	-	-	2	2	9.30
057	Prince George	24	1.09		4.52	1	2	-	2	1.74
059	Peace River South	3	0.49		2.04	4	4	-	4	11.63
060	Peace River North	14	1.26		5.19	-	-	-	-	-
061	Greater Victoria	37	1.01		4.17	7	8	3	11	6.09
062	Sooke	14	1.12		4.63	-	-	1	1	1.30
063	Saanich	14	1.70		7.01	-	1	2	3	7.75
064	Gulf Islands	3	1.72		7.09	-	-	-	-	-
065	Cowichan	16	1.54		6.35	-	-	-	-	-
066	Lake Cowichan	2	2.33		9.62	-	-	-	-	-
067	Ladysmith	7	2.27		9.36	-	-	-	-	-
068	Nanaimo	22	1.27		5.22	-	1	1	2	2.16
069	Qualicum	2	0.41		1.67	-	-	2	2	7.38
070	Alberni	14	2.18	*	8.98	3	3	3	6	17.80
071	Courtenay	8	0.82		3.40	-	-	-	-	-
072	Campbell River	12	1.61		6.64	-	-	2	2	4.78
075	Mission	7	0.78		3.21	-	-	1	1	1.96
076	Agassiz - Harrison	2	1.02		4.21	-	-	-	-	-
077	Summerland	1	0.67		2.75	-	-	-	-	-
078	Enderby	1	0.73		3.03	-	-	-	-	-
080	Kitimat	2	1.10		4.56	-	-	-	-	-
081	Fort Nelson	-	-		-	-	-	1	1	9.71
083	Central Coast	3	5.01	+	20.69	1	1	-	1	31.25
084	Vancouver Island West	1	2.18		9.01	-	-	1	1	27.78
085	Vancouver Island North	6	1.89		7.79	-	-	-	-	-
087	Stikine	-	-		-	-	-	-	-	-
088	Terrace	6	1.19		4.91	-	-	1	1	3.86
092	Nisga'a	1	1.63		6.71	-	-	-	-	-
094	Telegraph Creek	1	5.38		22.22	-	-	-	-	-
161	Vancouver - City Centre	9	0.51	*	2.12	3	4	-	4	4.12
162	Vancouver - Downtown E.side	12	1.26		5.19	1	1	-	1	2.22
163	Vancouver - North East	29	1.28		5.28	2	2	1	3	2.70
164	Vancouver - Westside	23	0.99		4.08	1	2	1	3	2.63
165	Vancouver - Midtown	28	1.35		5.59	3	3	3	6	5.71
166	Vancouver - South	30	1.11		4.60	5	6	1	7	5.26
201	Surrey	101	1.07		4.40	16	21	6	27	5.18
202	South Surrey/White Rock	3	0.28	+	1.14	1	1	1	2	3.67
	PROVINCIAL TOTAL	**852**	**1.00**		**4.13**	**87**	**107**	**58**	**165**	**3.74**

Notes for this table follow the map.

FIGURE 36

INFANT MORTALITY BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003-2007


N
QUINTILE (Ratio)
5 (>1.69)
4 (1.26-1.69)
3 (1.00-1.26)
3 (0.66-1.00)
1 (<0.66)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0
50 kms

Notes to Table 26
Note: *Statistical testing indicates that observed deaths are signficantly different from the expected deaths (p<0.05, two tailed). +Denotes significance based on less than five deaths. Rate per 1,000 live births in the specified LHA. Ratio – observed over the expected deaths. Non- residents are excluded. Total includes residents with unknown LHA.

Note: Ratio - Observed over the expected. Refer to Figure 1 to clarify geographical location of L HAs.

TABLE 27

SELECTED CAUSES OF INFANT DEATHS AND STILLBIRTHS

BRITISH COLUMBIA, 2008

		Infant Deaths – Age Group (in Days)					Stillbirths	
Cause of Death	ICD-10 Code(s)	<7	7–27	28–364	Total	Rate [1]	Number	Rate [2]
Congenital anomalies								
- of the nervous system	Q00-Q07	2	1	-	3	0.68	2	0.45
- of the eye, ear, face & neck	Q10-Q18	-	-	-	-	-	-	-
- of the heart and circulatory system	Q20-Q28	2	3	6	11	2.49	1	0.22
- of the respiratory system	Q30-Q34	4	-	-	4	0.91	-	-
- of the digestive system	Q35-Q45	-	-	-	-	-	-	-
- of the genital organs	Q50-Q56	-	-	-	-	-	-	-
- of the urinary system	Q60-Q64	-	-	-	-	-	1	0.22
- of the musculoskeletal system	Q65-Q79	1	1	-	2	0.45	2	0.45
Other and multiple system syndromes	Q80-Q89	2	-	1	3	0.68	2	0.45
Chromosomal anomalies	Q90-Q99	6	2	4	12	2.72	7	1.57
Total deaths due to congenital anomalies	**Q00-Q99**	**17**	**7**	**11**	**35**	**7.93**	**15**	**3.36**
Perinatal conditions								
Infant affected by maternal factors	P00-P04	28	2	-	30	6.79	120	26.92
Premature/postmature and fetal growth disorders	P05-P08	20	2	1	23	5.21	13	2.92
Birth trauma	P10-P15	-	-	-	-	-	-	-
Respiratory and cardiovascular disorders	P20-P29	4	1	-	5	1.13	9	2.02
Infections specific to the perinatal period	P35-P39	1	3	-	4	0.91	-	-
Hemorrhage and hematological disorders	P50-P61	1	-	-	1	0.23	4	0.90
Transitory endocrine and metabolic disorders	P70-P74	-	-	-	-	-	1	0.22
Digestive system disorders of fetus and newborn	P75-P78	-	2	1	3	0.68	-	-
Other disorders originating in the perinatal period	P80-P94, P96	11	1	2	14	3.17	187	41.95
Fetal death of unknown cause	P95	-	-	-	-	-	68	15.25
Total deaths due to perinatal conditions	**P00-P96**	**65**	**11**	**4**	**80**	**18.12**	**402**	**90.17**
Pneumonia/influenza	J09-J18.1, J18.8-J18.9	-	-	-	-	-	-	-
Sudden infant death syndrome (SIDS)[3]	R95	1	-	11	12	2.72	-	-
Other causes[3]		4	2	32	38	8.61	7	1.57
TOTAL		**87**	**20**	**58**	**165**	**37.37**	**424**	**95.11**
PERCENT		**52.7**	**12.1**	**35.2**	**100.0**			

Note: [1] Rate per 10,000 live births.
[2] Rate per 10,000 total births (live births plus stillbirths).
[3] Some of the infant deaths that were still under investigation (ICD-10 code R99) may later be identified as SIDS.
Non-residents are excluded.

Deaths Due to HIV

Mortality due to Human Immunodeficiency Virus (HIV) peaked in 1994 and has seen a general downward trend since then.

Table 28 shows the number of deaths due to HIV broken out by gender and six age groups from 1993 to 2008. The percentage of the total deaths in each year is shown for each age group. At the bottom of the table are counts and percentages for the entire time period. Figure 37 shows that in the period from 2003-2008 most deaths due to HIV disease in BC occurred in individuals who were between 40 and 49 years of age.

The yearly numbers of HIV deaths in Table 29 over the past ten years have fluctuated with no significantly increasing or decreasing trend. The HSDA 32-Vancouver had the highest mortality rate (15.72 deaths per 100,000 population), from 1993 to 2008. In 2008, there were 27 deaths due to HIV in that area, far higher than any other HSDA.

FIGURE 37

DEATHS DUE TO HIV DISEASE BY AGE GROUP

BRITISH COLUMBIA, 2003–2008

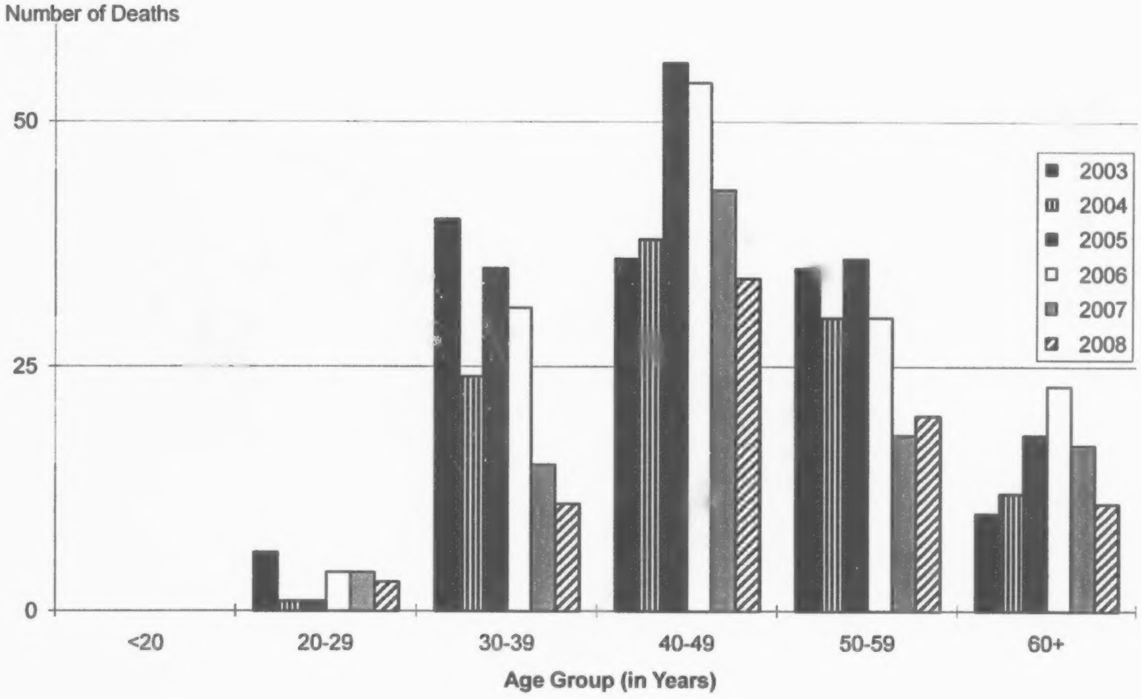


TABLE 28

DEATHS DUE TO HIV DISEASE BY GENDER AND AGE GROUP

BRITISH COLUMBIA, 1993–2008

Year of Death	Gender	Age at Death (in Years)						Total
		<20	20–29	30–39	40–49	50–59	60+	
1993	M	-	28	114	95	34	15	286
	F	-	3	8	2	1	1	15
	T	-	31	122	97	35	16	301
	Percent	-	10.3	40.5	32.2	11.6	5.3	100.0
1994	M	-	19	147	101	29	12	308
	F	2	5	10	2	2	2	23
	T	2	24	157	103	31	14	331
	Percent	0.6	7.3	47.4	31.1	9.4	4.2	100.0
1995	M	-	17	116	103	31	9	276
	F	-	6	7	4	1	1	19
	T	-	23	123	107	32	10	295
	Percent	-	7.8	41.7	36.3	10.8	3.4	100.0
1996	M	3	9	106	73	34	10	235
	F	-	4	6	6	-	1	17
	T	3	13	112	79	34	11	252
	Percent	1.2	5.2	44.4	31.3	13.5	4.4	100.0
1997	M	-	11	40	33	11	6	101
	F	-	2	7	4	1	2	16
	T	-	13	47	37	12	8	117
	Percent	-	11.1	40.2	31.6	10.3	6.8	100.0
1998	M	-	6	32	44	7	4	93
	F	-	4	8	3	1	1	17
	T	-	10	40	47	8	5	110
	Percent	-	9.1	36.4	42.7	7.3	4.5	100.0
1999	M	1	3	37	32	13	4	90
	F	-	-	4	7	2	-	13
	T	1	3	41	39	15	4	103
	Percent	1.0	2.9	39.8	37.9	14.6	3.9	100.0
2000	M	-	5	31	31	23	8	98
	F	-	4	6	9	3	2	24
	T	-	9	37	40	26	10	122
	Percent	-	7.4	30.3	32.8	21.3	8.2	100.0
2001	M	-	-	30	33	19	9	91
	F	-	4	8	4	3	1	20
	T	-	4	38	37	22	10	111
	Percent	-	3.6	34.2	33.3	19.8	9.0	100.0
2002	M	-	4	20	37	15	8	84
	F	-	1	6	12	3	-	22
	T	-	5	26	49	18	8	106
	Percent	-	4.7	24.5	46.2	17.0	7.5	100.0
2003	M	-	2	34	26	32	10	104
	F	-	4	6	10	3	-	23
	T	-	6	40	36	35	10	127
	Percent	-	4.7	31.5	28.3	27.6	7.9	100.0
2004	M	-	-	17	30	29	10	86
	F	-	1	7	8	1	2	19
	T	-	1	24	38	30	12	105
	Percent	-	1.0	22.9	36.2	28.6	11.4	100.0
2005	M	-	1	27	43	31	18	120
	F	-	-	8	13	5	-	26
	T	-	1	35	56	36	18	146
	Percent	-	0.7	24.0	38.4	24.7	12.3	100.0
2006	M	-	2	22	43	27	20	114
	F	-	2	9	11	3	3	28
	T	-	4	31	54	30	23	142
	Percent	-	2.8	21.8	38.0	21.1	16.2	100.0
2007	M	-	1	14	33	15	14	77
	F	-	3	1	10	3	3	20
	T	-	4	15	43	18	17	97
	Percent	-	4.1	15.5	44.3	18.6	17.5	100.0
2008	M	-	1	7	28	14	10	60
	F	-	2	4	6	6	1	19
	T	-	3	11	34	20	11	79
	Percent	-	3.8	13.9	43.0	25.3	13.9	100.0
1993 - 2008	**M**	**4**	**109**	**794**	**785**	**364**	**167**	**2,223**
	F	**2**	**45**	**105**	**111**	**38**	**20**	**321**
	T	**6**	**154**	**899**	**896**	**402**	**187**	**2,544**
	Percent	**0.2**	**6.1**	**35.3**	**35.2**	**15.8**	**7.4**	**100.0**

Note: HIV Disease – ICD-10 codes B20–B24.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

TABLE 29

DEATHS DUE TO HIV DISEASE BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 1993–2008

Health Service Delivery Area	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	1993–2008		
																	Number	Percent	Rate
11 East Kootenay	-	-	1	-	2	-	-	-	1	-	1	-	1	-	-	-	6	0.2	0.49
12 Kootenay Boundary	1	1	3	2	-	1	1	-	-	2	-	1	-	2	-	2	16	0.6	1.28
13 Okanagan	9	6	9	7	2	4	2	3	3	3	6	2	5	11	1	2	75	2.9	1.53
14 Thompson Cariboo Shuswap	4	3	-	3	2	2	2	2	6	2	4	6	2	4	3	1	46	1.8	1.36
21 Fraser East	6	7	6	7	1	5	3	3	2	4	1	5	6	4	1	3	64	2.5	1.63
22 Fraser North	22	25	21	15	8	6	7	11	8	10	10	8	8	10	7	6	182	7.2	2.16
23 Fraser South	12	18	17	23	6	4	11	7	11	10	8	5	12	9	13	5	171	6.7	1.80
31 Richmond	1	6	4	4	5	2	2	1	1	-	1	2	3	1	1	2	36	1.4	1.33
32 Vancouver	197	203	182	145	66	65	53	73	60	62	74	50	78	67	42	27	1,444	56.8	15.72
33 North Shore/ Coast Garibaldi	16	15	12	11	7	5	5	3	3	2	6	3	7	5	5	7	112	4.4	2.68
41 South Vancouver Island	21	28	17	21	10	10	13	7	9	3	8	9	9	17	11	11	204	8.0	3.74
42 Central Vancouver Island	6	13	14	6	4	3	4	8	4	4	4	5	6	3	6	4	94	3.7	2.47
43 North Vancouver Island	3	3	2	1	1	-	-	4	2	-	1	2	3	2	-	2	26	1.0	1.43
51 Northwest	1	-	2	1	-	-	-	-	-	-	-	1	2	-	2	3	12	0.5	0.91
52 Northern Interior	2	2	4	5	2	2	-	-	1	3	3	5	4	7	5	2	47	1.8	1.99
53 Northeast	-	1	1	-	-	1	-	-	-	1	-	1	-	-	-	1	6	0.2	0.59
N.S.	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	3	0.1	
PROVINCIAL TOTAL	**301**	**331**	**295**	**252**	**117**	**110**	**103**	**122**	**111**	**106**	**127**	**105**	**146**	**142**	**97**	**79**	**2,544**	**100.0**	**3.95**

Note: Health Service Delivery Area based on usual residence.
Rate per 100,000 population in specified area.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded. N.S. – Not stated.

External Causes of Death

Table 30 shows the number of deaths for males and females from "external causes" which include unintentional deaths as well as deaths due to suicide, homicide and those where intent was undetermined. Also shown are ASMRs. These rates of death per 10,000 standard population are used to compare statistics from other time periods and other jurisdictions. The *Glossary* explains ASMR and the *Methodology* section gives an example of the calculation method.

During 2008, there were 1,546 deaths due to external causes or approximately 48 external cause deaths for each 1,000 deaths in BC (see Table 30).

The break out by cause was:

- 421 were suicides
- 225 were motor vehicle accidents
- 360 were unintentional falls
- 237 were unintentional poisonings
- 41 were unintentional drownings
- 34 were homicides
- 128 were due to other external causes

Males accounted for 66.5 percent of deaths by external causes as shown in Table 30. The leading four causes of external deaths in males in 2008 (in ASMR rank order) were **Suicide** (1.38), **Unintentional Poisoning** (0.69), **Motor Vehicle Accidents** (0.69), and **Unintentional Falls** (0.63). For females, the leading four (in ASMR rank order) were: **Unintentional Falls** (0.46), **Suicide** (0.39), **Motor Vehicle Accidents** (0.30), and **Unintentional Poisoning** (0.29).

Table 31 shows the allocation of external death causes according to the Local Health Area of the deceased's usual residence. The highest ASMRs in 2008 are found in the following LHAs (with 5 or more deaths): North Thompson (15.22), Grand Forks (13.51), Fernie (12.83), Lillooet (10.65), and Burns Lake (9.67).

Table 32 shows number of deaths from suicide classified by month of occurrence and by gender. Percentages across months are also given. In 2008, there was three times the number of male suicides compared to female suicides. The data for 2008 shows that November was the month with the fewest number of suicides (28) while September was the month with the highest number of suicides (47).

TABLE 30

EXTERNAL CAUSES OF DEATH BY GENDER

BRITISH COLUMBIA, 2008

Cause of Death	ICD-10 Code	Male		Female		Total	
		Number	ASMR	Number	ASMR	Number	ASMR
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	151	0.69	74	0.30	225	0.49
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859	18	0.08	1	0.01	19	0.04
Accidental drowning (inc water transport)	V90, V92, W65-W74	34	0.15	7	0.03	41	0.09
Accidental falls	W00-W19	173	0.63	187	0.46	360	0.54
Accident caused by machinery	W24, W28-W31	1	-	-	-	1	-
Accidental firearm discharge	W32-W34	4	0.02	-	-	4	0.01
Exposure to smoke, fire and flames	X00-X09	24	0.09	16	0.06	40	0.08
Accidental poisoning	X40-X49	160	0.69	77	0.29	237	0.49
All other accidents	W20-W23, W25-W27, W35-W64, W75-W99, X10-X39, X50-X59, Y35-Y36, Y40-Y84, Y88	92	0.37	36	0.09	128	0.23
Suicide	X60-X84, Y870	319	1.38	102	0.39	421	0.88
Homicide	X85-Y09, Y871	27	0.14	7	0.03	34	0.09
External events of undetermined intent	Y10-Y34, Y872	9	0.03	8	0.03	17	0.03
Sequelae of other external causes	Y86, Y89	16	0.06	3	0.01	19	0.03
TOTAL		**1,028**	**4.33**	**518**	**1.70**	**1,546**	**3.00**

Note: ASMR – Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA,

BRITISH COLUMBIA, 2008

Local Health Area		Motor Vehicle Accidents	Other Transport Accidents	Unintentional		Fire/ Flames	Unintentional Drowing	Suicide	Homicide	Other	Total	
				Poisoning	Falls						Deaths	ASMR
001	Fernie	2	-	1	2	-	-	2	-	10	17	12.83
002	Cranbrook	2	3	1	2	-	-	4	-	-	12	4.60
003	Kimberley	1	-	-	3	-	-	5	-	-	9	6.88
004	Windermere	2	-	1	2	1	-	1	-	-	7	6.28
005	Creston	3	-	-	1	5	-	1	-	3	13	7.42
006	Kootenay Lake	-	-	-	-	-	-	1	-	-	1	3.25
007	Nelson	2	-	1	2	1	-	3	-	1	10	3.65
009	Castlegar	1	-	-	3	-	1	-	-	-	5	3.45
010	Arrow Lakes	-	-	-	2	-	-	-	-	2	4	5.31
011	Trail	3	-	2	4	-	1	1	-	-	11	4.57
012	Grand Forks	3	-	-	5	1	-	1	-	3	13	13.51
013	Kettle Valley	-	-	-	-	-	-	1	-	-	1	4.34
014	Southern Okanagan	2	1	1	7	-	-	2	-	2	15	6.82
015	Penticton	1	-	-	7	-	2	5	-	1	16	2.77
016	Keremeos	-	-	-	2	-	-	1	-	-	3	2.73
017	Princeton	-	-	1	1	-	-	-	-	-	2	2.61
018	Golden	-	1	-	-	-	1	-	-	1	3	3.95
019	Revelstoke	-	1	-	-	-	-	-	-	-	1	1.20
020	Salmon Arm	3	-	3	11	-	-	3	-	2	22	4.12
021	Armstrong - Spallumcheen	1	-	-	1	-	1	2	-	-	5	3.60
022	Vernon	5	1	2	4	-	-	4	1	4	21	2.97
023	Central Okanagan	8	-	4	17	1	1	17	-	6	54	2.20
024	Kamloops	14	2	11	7	1	6	7	-	7	55	4.31
025	100 Mile House	2	-	2	1	-	-	-	-	-	5	3.74
026	North Thompson	1	-	-	-	-	1	3	-	-	5	15.22
027	Cariboo - Chilcotin	8	-	4	4	-	-	3	-	3	22	7.42
028	Quesnel	4	-	-	1	1	-	3	-	3	12	5.13
029	Lillooet	-	-	1	2	-	-	-	1	1	5	10.65
030	South Cariboo	1	-	1	-	-	-	1	-	1	4	5.53
031	Merritt	-	-	1	4	1	2	2	-	1	11	7.26
032	Hope	-	-	2	-	-	-	2	-	3	7	6.84
033	Chilliwack	3	-	10	4	-	2	8	2	3	32	3.68
034	Abbotsford	7	-	7	13	-	-	8	3	4	42	2.59
035	Langley	10	-	5	10	-	-	11	1	2	39	2.61
037	Delta	2	-	2	5	3	-	5	2	1	20	1.93
038	Richmond	5	-	3	8	1	1	14	2	4	38	1.85
040	New Westminster	4	-	6	6	-	-	9	-	3	28	3.71
041	Burnaby	6	2	7	14	1	-	15	3	10	58	2.12
042	Maple Ridge	3	-	3	6	-	-	11	-	2	25	2.83
043	Coquitlam	5	-	6	4	1	-	15	1	5	37	1.62
044	North Vancouver	1	-	6	8	5	1	5	-	1	27	1.67
045	West Vancouver-Bowen Is.	1	-	1	5	-	-	8	1	1	17	2.71
046	Sunshine Coast	-	-	1	5	1	-	2	-	3	12	2.42
047	Powell River	1	-	4	1	-	-	3	-	1	10	4.02
048	Howe Sound	1	-	1	3	-	-	4	-	2	11	2.93
049	Bella Coola Valley	-	-	-	-	-	1	1	-	-	2	6.12
050	Queen Charlotte	-	-	1	1	1	1	1	-	-	5	9.66
051	Snow Country	-	-	-	-	-	-	-	-	-	-	-
052	Prince Rupert	1	-	-	-	-	-	1	-	2	4	2.36
053	Upper Skeena	-	-	1	-	-	-	-	1	-	2	4.56
054	Smithers	-	-	2	4	-	-	2	-	2	10	6.33
055	Burns Lake	3	-	-	2	-	-	3	-	-	8	9.67
056	Nechako	2	1	3	-	1	-	3	1	2	13	8.84
057	Prince George	5	-	6	11	3	1	13	-	-	39	3.98
059	Peace River South	4	-	-	-	-	-	5	-	-	9	2.92
060	Peace River North	10	1	-	3	-	-	4	-	2	20	6.31
061	Greater Victoria	5	-	20	36	3	5	22	1	7	99	3.15
062	Sooke	1	-	2	7	-	2	8	-	4	24	3.60
063	Saanich	3	1	1	13	2	-	6	-	2	28	3.29
064	Gulf Islands	1	-	3	2	-	-	1	-	1	8	3.50
065	Cowichan	6	1	1	3	-	-	8	2	2	23	4.05
066	Lake Cowichan	1	-	-	1	-	-	-	-	-	2	2.13
067	Ladysmith	2	-	1	2	1	-	2	-	4	12	6.23
068	Nanaimo	5	-	2	9	-	1	6	-	5	28	1.91
069	Qualicum	5	-	-	9	-	-	5	-	-	19	3.08
070	Alberni	1	-	-	1	-	-	2	-	2	6	1.65
071	Courtenay	2	-	1	3	3	1	12	-	4	26	3.60
072	Campbell River	7	-	5	3	-	2	8	-	3	28	6.39
075	Mission	2	-	4	2	-	1	3	1	1	14	3.28
076	Agassiz - Harrison	-	-	-	1	-	1	-	-	-	2	1.96
077	Summerland	-	-	1	1	-	1	5	1	-	9	8.39
078	Enderby	1	-	-	1	-	1	3	-	-	6	8.49
080	Kitimat	1	-	1	-	-	-	-	-	-	2	1.65
081	Fort Nelson	3	-	-	-	-	-	-	-	1	4	5.46
083	Central Coast	-	-	-	-	-	-	-	-	-	-	-
084	Vancouver Island West	2	-	-	-	-	-	1	-	1	4	12.15
085	Vancouver Island North	1	1	5	2	-	-	3	-	-	12	7.74
087	Stikine	-	-	-	-	1	-	-	-	1	2	14.63
088	Terrace	2	2	3	-	-	-	4	-	-	11	6.38
092	Nisga'a	-	-	-	-	-	-	3	-	1	4	22.36
094	Telegraph Creek	-	-	1	-	-	-	-	-	-	1	9.79
161	Vancouver - City Centre	1	-	9	4	-	-	17	1	2	34	2.43
162	Vancouver - Downtown E.side	3	-	21	7	-	-	13	-	2	46	5.98
163	Vancouver - North East	3	-	2	4	-	-	8	-	3	20	1.57
164	Vancouver - Westside	-	-	3	5	1	-	7	-	4	20	1.15
165	Vancouver - Midtown	1	-	4	8	-	1	5	-	1	20	1.87
166	Vancouver - South	-	-	7	8	-	-	11	-	4	30	1.74
201	Surrey	20	1	23	14	-	1	29	9	8	105	2.76
202	South Surrey/White Rock	2	-	2	6	-	-	2	-	2	14	1.15
	PROVINCIAL TOTAL	**225**	**19**	**237**	**360**	**40**	**41**	**421**	**34**	**169**	**1,546**	**3.00**
	PERCENT	**14.6**	**1.2**	**15.3**	**23.3**	**2.6**	**2.7**	**27.2**	**2.2**	**10.9**	**100.0**	

Notes for table follow table 32.

TABLE 32

SUICIDE DEATHS BY MONTH AND GENDER

BRITISH COLUMBIA, 2008

Month	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
January	23	7.2	6	5.9	29	6.9
February	21	6.6	12	11.8	33	7.8
March	31	9.7	11	10.8	42	10.0
April	25	7.8	11	10.8	36	8.6
May	29	9.1	7	6.9	36	8.6
June	31	9.7	11	10.8	42	10.0
July	22	6.9	11	10.8	33	7.8
August	26	8.2	7	6.9	33	7.8
September	41	12.9	6	5.9	47	11.2
October	23	7.2	7	6.9	30	7.1
November	21	6.6	7	6.9	28	6.7
December	26	8.2	6	5.9	32	7.6
TOTAL	**319**	**100.0**	**102**	**100.0**	**421**	**100.0**

Note: Suicide Deaths – ICD-10 codes X60–X84, Y87.0.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

Notes to Table 31

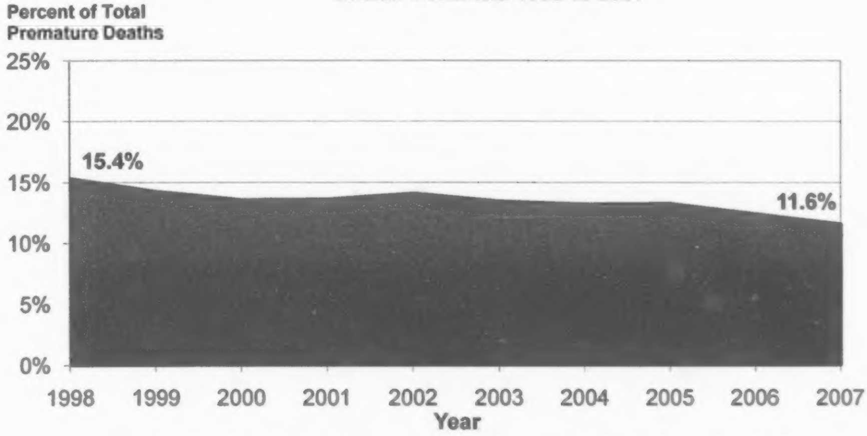
Note: Based on usual residence. ASMR – per 10,000 standard population (Canada 1991 Census). PERCENT – Provincial total for each cause as a percent of the Provincial total for all deaths from external causes. Other is comprised of accident caused by machinery, accidental firearm discharge, all other accidents, external event of undetermined intent, and sequelae of other external causes. Total includes residents with unknown LHA.

Vital Statistics Information Box

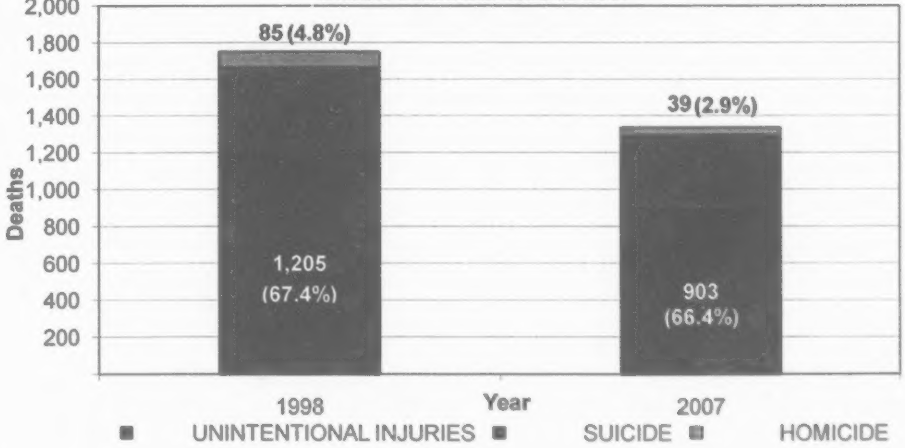
PREMATURE (<75 YEARS) EXTERNAL CAUSES OF DEATH IN BRITISH COLUMBIA, 1998 TO 2007

From 1998 to 2007, deaths among those under the age of 75 have accounted for just 38.9 percent; however, 78.6 percent of deaths from external causes were in this age group. The total number of deaths attributable to external causes has fallen from 2,237 in 1998 to 1,766 in 2007, and among those under the age of 75 the number of deaths has fallen from 1,789 to 1,359. The share of premature deaths attributable to external causes has fallen from 15.4 percent in 1998 to 11.6 percent in 2007. Unintentional injuries account for the vast majority (66.4 percent in 2007) of deaths from external causes among those under the age of 75.

Share of Premature Mortality Attributable to External Causes, British Columbia 1998 to 2007



Deaths Under the Age of 75 Years due to Unintentional Injuries, Homicide and Suicide, British Columbia 1998 to 2007



Mortality Due to All Causes of Death

Table 33 shows the number of deaths from all causes in each LHA for 2008 and the previous five-year period. The Standardized Mortality Ratio (SMR) columns compare the actual number of deaths in the LHA (observed) with the number that would be expected if the LHA had the same age-specific death rates as the whole province.

Table 33 also shows 95 percent confidence intervals for the SMR, which provides a measure of its variability. Forty LHAs had statistically significant ratios in 2008 (28 high and 12 low), fifty-eight LHAs had statistically significant ratios (41 high and 17 low) in the period of 2003 to 2007, and thirty-seven LHAs had statistically significant ratios (24 high and 13 low) in both 2008 and the previous five-year period.

In 2008, the LHAs with the five highest statistically significant SMRs were: North Thompson (2.09), Merritt (1.73), Bella Coola Valley (1.59), Fort Nelson (1.59), and Prince Rupert (1.55).

Figure 38 shows the SMRs grouped into colour-coded quintiles. The map provides an immediately apparent view of the provincial variation of SMRs. Lower ratios were more frequently observed in the south and higher ratios in central and northern BC.

Vital Statistics Information Box

DEATHS AGED 65+ BY GENDER AND HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2008

Health Service Delivery Area	Gender	Age at Death 65-69	70-74	75-79	80-84	85-89	90-94	95-99	100+	Total	% 65+
11 East Kootenay	M	40	38	46	54	38	29	6	0	339	74.0%
	F	17	30	23	45	60	39	22	3	291	82.1%
12 Kootenay Boundary	M	27	41	43	62	51	33	6	0	359	73.3%
	F	25	22	55	64	67	38	22	8	347	86.7%
13 Okanagan	M	130	196	265	329	288	159	48	9	1,785	79.8%
	F	88	146	187	260	367	248	107	20	1,629	87.4%
14 Thompson Cariboo Shuswap	M	90	125	148	166	108	51	19	0	1,021	69.2%
	F	66	84	103	146	139	95	50	10	878	78.9%
21 Fraser East	M	97	116	175	184	156	88	24	6	1,126	75.1%
	F	68	90	111	155	201	171	70	21	1,044	85.0%
22 Fraser North	M	136	177	220	275	264	155	46	8	1,744	73.5%
	F	95	121	192	296	351	236	122	29	1,741	82.8%
23 Fraser South	M	179	195	285	332	323	174	53	9	2,150	72.1%
	F	119	155	212	336	446	326	139	25	2,150	81.8%
31 Richmond	M	32	52	67	68	81	38	15	0	467	75.6%
	F	23	28	67	76	97	70	34	6	464	86.4%
32 Vancouver	M	136	182	277	296	225	146	55	10	1,840	72.1%
	F	78	108	178	285	352	329	155	37	1,820	83.6%
33 North Shore/Coast Garibaldi	M	76	78	137	165	156	85	17	3	920	77.9%
	F	47	77	115	158	219	157	76	13	999	86.3%
41 South Vancouver Island	M	96	122	196	302	330	187	51	5	1,666	77.4%
	F	74	98	200	294	403	317	159	24	1,810	86.7%
42 Central Vancouver Island	M	112	126	181	234	222	105	24	3	1,343	75.0%
	F	62	94	120	219	248	184	84	9	1,232	82.8%
43 North Vancouver Island	M	53	59	65	65	59	34	11	2	502	69.3%
	F	28	40	43	59	84	60	23	6	430	79.8%
51 Northwest	M	33	34	46	35	24	13	5	0	297	64.0%
	F	21	22	18	38	35	12	10	2	220	71.8%
52 Northern Interior	M	54	66	73	77	48	30	7	1	544	65.4%
	F	25	31	59	54	53	43	15	2	397	71.0%
53 Northeast	M	14	31	23	19	13	10	2	1	190	59.5%
	F	11	13	10	19	17	11	4	1	133	64.7%
Provincial Total	**M**	**1,305**	**1,639**	**2,247**	**2,663**	**2,386**	**1,337**	**389**	**57**	**16,305**	**73.7%**
	F	**847**	**1,159**	**1,693**	**2,504**	**3,139**	**2,336**	**1,092**	**216**	**15,587**	**83.3%**

Note: %65+ is the percentage of deaths aged 65 or older out of all deaths to residents of the specified area by gender.
Provincial Total includes residents with unknown addresses.

Table 33

STANDARDIZED MORTALITY RATIO - ALL CAUSES OF DEATH BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2003–2007 AND 2008

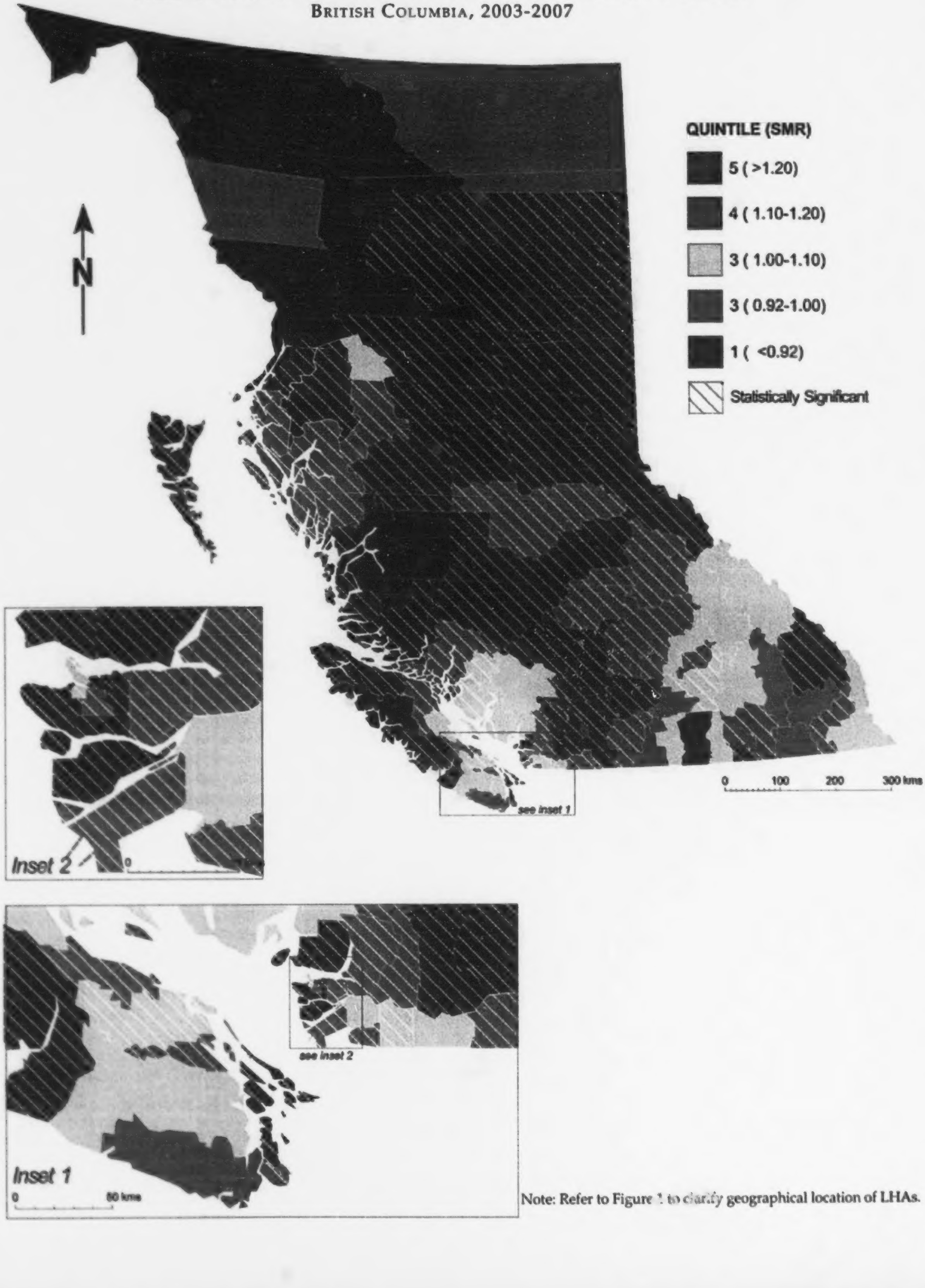
		2003–2007			2008				95% Confidence Interval	
Local Health Area		Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower	Upper
001	Fernie	403	1.01		97	81.01	1.20		0.97	1.46
002	Cranbrook	1,027	1.16	*	183	188.13	0.97		0.84	1.12
003	Kimberley	378	0.99		85	77.34	1.10		0.88	1.36
004	Windermere	235	0.74	*	61	69.92	0.87		0.67	1.12
005	Creston	666	0.98		162	141.89	1.14		0.97	1.33
006	Kootenay Lake	157	1.00		29	32.66	0.89		0.59	1.28
007	Nelson	981	1.11	*	169	179.09	0.94		0.81	1.10
009	Castlegar	617	1.19	*	124	104.39	1.19		0.99	1.42
010	Arrow Lakes	240	1.07		51	45.32	1.13		0.84	1.48
011	Trail	1,100	1.21	*	207	189.23	1.09		0.95	1.25
012	Grand Forks	493	1.09		101	93.89	1.08		0.88	1.31
013	Kettle Valley	118	0.84		25	32.30	0.77		0.50	1.14
014	Southern Okanagan	1,274	1.03		270	254.54	1.06		0.94	1.20
015	Penticton	2,563	1.03		540	509.11	1.06		0.97	1.15
016	Keremeos	333	1.11		69	65.25	1.06		0.82	1.34
017	Princeton	272	1.15	*	65	51.54	1.26		0.97	1.61
018	Golden	184	1.01		42	39.62	1.06		0.76	1.43
019	Revelstoke	268	1.08		44	52.31	0.84		0.61	1.13
020	Salmon Arm	1,598	1.03		329	333.78	0.99		0.88	1.10
021	Armstrong - Spallumcheen	378	0.99		80	86.40	0.93		0.73	1.15
022	Vernon	3,034	1.08	*	601	588.04	1.02		0.94	1.11
023	Central Okanagan	7,177	0.98		1,538	1,564.00	0.98		0.93	1.03
024	Kamloops	4,019	1.14	*	870	765.27	1.14	*	1.06	1.21
025	100 Mile House	601	1.13	*	142	114.76	1.24	*	1.04	1.46
026	North Thompson	158	1.18	*	60	28.69	2.09	*	1.60	2.69
027	Cariboo - Chilcotin	856	1.22	*	197	152.88	1.29	*	1.11	1.48
028	Quesnel	831	1.19	*	203	153.20	1.33	*	1.15	1.52
029	Lillooet	195	1.41	*	45	29.90	1.50	*	1.10	2.01
030	South Cariboo	360	1.32	*	70	59.59	1.17		0.92	1.48
031	Merritt	504	1.27	*	142	81.94	1.73	*	1.46	2.04
032	Hope	500	1.41	*	103	76.10	1.35	*	1.10	1.64
033	Chilliwack	3,311	1.11	*	728	641.11	1.14	*	1.05	1.22
034	Abbotsford	4,513	1.00		970	933.97	1.04		0.97	1.11
035	Langley	4,202	1.04	*	955	849.89	1.12	*	1.05	1.20
037	Delta	3,027	0.95	*	666	650.50	1.02		0.95	1.10
038	Richmond	4,394	0.76	*	931	1,327.92	0.70	*	0.66	0.75
040	New Westminster	2,484	1.12	*	546	453.26	1.20	*	1.11	1.31
041	Burnaby	6,873	0.94	*	1,408	1,535.44	0.92	*	0.87	0.97
042	Maple Ridge	2,720	1.13	*	587	517.90	1.13	*	1.04	1.23
043	Coquitlam	4,718	0.94	*	944	1,108.26	0.85	*	0.80	0.91
044	North Vancouver	4,087	0.92	*	836	950.14	0.88	*	0.82	0.94
045	West Vancouver-Bowen Is.	2,342	0.84	*	479	585.04	0.82	*	0.75	0.90
046	Sunshine Coast	1,337	1.01		258	284.74	0.91		0.80	1.02
047	Powell River	966	1.10	*	188	188.60	1.00		0.86	1.15
048	Howe Sound	578	1.02		124	122.03	1.02		0.85	1.21
049	Bella Coola Valley	97	1.21		28	17.60	1.59	*	1.06	2.30
050	Queen Charlotte	142	1.23	*	34	24.49	1.39		0.96	1.94
051	Snow Country	17	1.23		2	2.47	0.81		0.09	2.92
052	Prince Rupert	427	1.17	*	116	74.73	1.55	*	1.28	1.86
053	Upper Skeena	124	1.07		25	25.05	1.00		0.65	1.47
054	Smithers	432	1.17	*	98	80.38	1.22		0.99	1.49
055	Burns Lake	271	1.20	*	45	45.24	0.99		0.73	1.33
056	Nechako	509	1.39	*	111	79.82	1.39	*	1.14	1.67
057	Prince George	2,664	1.25	*	582	466.36	1.25	*	1.15	1.35
059	Peace River South	827	1.25	*	148	141.74	1.04		0.88	1.23
060	Peace River North	727	1.22	*	152	124.63	1.22	*	1.03	1.43
061	Greater Victoria	10,644	0.98	*	2,275	2,156.09	1.06	*	1.01	1.10
062	Sooke	1,603	1.00		382	354.18	1.08		0.97	1.19
063	Saanich	3,142	0.84	*	683	789.39	0.87	*	0.80	0.93
064	Gulf Islands	675	0.80	*	136	183.92	0.74	*	0.62	0.87
065	Cowichan	2,259	1.04		504	471.67	1.07		0.98	1.17
066	Lake Cowichan	221	1.06		46	45.14	1.02		0.75	1.36
067	Ladysmith	971	1.10	*	249	183.80	1.35	*	1.19	1.53
068	Nanaimo	4,379	1.07	*	927	880.38	1.05		0.99	1.12
069	Qualicum	2,387	0.93	*	548	573.05	0.96		0.88	1.04
070	Alberni	1,399	1.23	*	301	243.31	1.24	*	1.10	1.39
071	Courtenay	2,475	1.02		526	540.76	0.97		0.89	1.06
072	Campbell River	1,428	1.15	*	304	276.65	1.10		0.98	1.23
075	Mission	1,357	1.21	*	299	236.04	1.27	*	1.13	1.42
076	Agassiz - Harrison	297	0.84	*	70	72.39	0.97		0.75	1.22
077	Summerland	685	0.95		160	151.01	1.06		0.90	1.24
078	Enderby	375	1.18	*	91	66.08	1.38	*	1.11	1.69
080	Kitimat	273	1.13	*	67	51.43	1.30	*	1.01	1.65
081	Fort Nelson	84	1.20		23	14.46	1.59	*	1.01	2.39
083	Central Coast	68	2.35	*	6	6.01	1.00		0.36	2.17
084	Vancouver Island West	48	0.77		18	11.59	1.55		0.92	2.45
085	Vancouver Island North	387	1.55	*	84	54.04	1.55	*	1.24	1.92
087	Stikine	22	0.87		5	5.52	0.91		0.29	2.11
088	Terrace	593	1.25	*	151	102.17	1.48	*	1.25	1.73
092	Nisga'a	70	1.85	*	14	8.63	1.62		0.89	2.72
094	Telegraph Creek	18	1.16		5	2.46	2.03		0.65	4.74
161	Vancouver - City Centre	3,171	1.04	*	603	641.28	0.94		0.87	1.02
162	Vancouver - Downtown E.side	2,568	1.23	*	475	418.84	1.13	*	1.03	1.24
163	Vancouver - North East	2,892	0.89	*	571	715.21	0.80	*	0.73	0.87
164	Vancouver - Westside	3,704	0.80	*	706	945.24	0.75	*	0.69	0.80
165	Vancouver - Midtown	2,369	0.95	*	451	521.80	0.86	*	0.79	0.95
166	Vancouver - South	4,109	0.85	*	852	1,038.61	0.82	*	0.77	0.88
201	Surrey	8,223	1.00		1,821	1,730.59	1.05	*	1.00	1.10
202	South Surrey/White Rock	4,323	0.93	*	858	926.81	0.93	*	0.86	0.99
	PROVINCIAL TOTAL	**180,633**	**1.00**		**31,892**	**31,892.00**	**1.00**		**0.99**	**1.01**

Note: SMR - Standardized Mortality Ratio. *Statistical testing indicates that observed deaths are significantly different from the expected deaths (p<0.05, two tailed). Total includes residents with unknown LHA. Observed deaths include unknown gender.

FIGURE 38

ALL CAUSES OF DEATH BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003-2007


N
QUINTILE (SMR)
5 (>1.20)
4 (1.10-1.20)
3 (1.00-1.10)
3 (0.92-1.00)
1 (<0.92)
Statistically Significant
0
100
200
300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0
50 kms

Note: Refer to Figure 1 to clarify geographical location of LHAs.

Potential Years of Life Lost

Potential Years of Life Lost (PYLL) gives an indication of "premature" death by totalling the number of years British Columbians "lost" prior to age 75 years. For example, an infant death at the age of 6 months would have lost 74.5 years of life. The upper limit of 75 is used for both genders. PYLL indicates the importance of the various causes of premature death by giving more weight to deaths that occurred at younger ages than those that occurred later in life. Bear in mind that the PYLL is weighted according to age. Thus a death at a younger age contributes more to total PYLL than a death at an older age.

The tables and figures in this section portray the impact of premature mortality. The *Glossary* further defines PYLL. The precise calculation methods for the various indicators derived from PYLL are referenced in the tables in this section and are shown in the *Methodology* section.

Table 34 shows several PYLL based indicators for deaths of those under 75 years of age contrasted with total deaths and ASMR for all ages for various causes of death. The *No. of Deaths* column shows the number of persons under 75 years of age who have died due to each cause group. The *Percent of PYLL* column shows each disease category's proportion of the total PYLL for all causes. The *Average PYLL* column is the disease category's Total PYLL divided by number of deaths. The PYLLSR column is the rate of PYLL per 1,000 standard population. See *PYLL Standardized Rate* in the *Glossary* and the *Methodology* section for computation details.

Because PYLL focuses on premature mortality rather than on the simple fact of death, it is useful in assessing causes of death in terms of the extent to which each contributes to reduction in lifespan. In Table 34 the column labelled *Average PYLL* is helpful in exploring this effect.

Motor vehicle accidents (MVAs), which claim many young lives, have a high value for average PYLL at 35.8 years. Malignant neoplasms, on the other hand, although claiming many lives (4,504 under the age of 75) have a relatively low average PYLL at 12.6 years since malignant neoplasms tend to afflict older individuals more frequently.

Figure 39, by directly and visually contrasting PYLLSR and ASMR for several major causes of death, allows one to compare the profiles of the two sides of the graph, where there are significant differences in the impact of the various causes of death on PYLL and overall death rate. The clearest contrast is for external causes of death: a relatively moderate ASMR but very high PYLLSR. This clearly shows the contribution of "external causes" to premature mortality.

In Table 35, causes of death in 2008 have been ranked according to the Total PYLL for all genders in four age groups. The central portion of the table indicates the number of deaths and number of years lost for males, females, and both genders. The *PYLL* column shows all the years lost in the age group due to each cause category. The *PYLL %* column indicates the percent of all PYLL in the age group due to each cause.

Most of the PYLL under 15 years were due to conditions originating in the perinatal period around birth (see Table 35). The majority of those deaths occurred less than 7 days after birth (see Table 27) and were more frequent among males than females (see Table 21).

MVAs had the highest PYLL in the age group of 15 to 24 year olds. Most of these deaths were to males and therefore the majority of the PYLL in this age group was attributable to males as shown in Table 35.

In the age group of 25 to 44 year olds, among females, malignant neoplasms were responsible for more than the number of PYLL as all the other major causes combined. Among males, suicides accounted for the largest number of PYLL, although PYLL due to MVA and malignant neoplasms were high among males as well. Note that male deaths due to MVA were responsible for a greater number of deaths than in the 15 to 24 year age group but fewer PYLL.

Malignant neoplasms accounted for the largest share of PYLL for both genders in the 45-74 year age group (see Table 35).

Figure 40 presents the PYLLSR values from Table 35 so the gender differences are immediately apparent.

Males in the four age groups have a higher PYLL than females, although the standardized PYLL rates due to malignant neoplasms were similar in the two adult age groups.

External causes have been covered in a previous section but Table 36 presents their geographic distribution in terms of PYLL index. These causes, in general are considered to be more preventable than 'natural' causes of death and therefore attract attention because of the greater potential for their reduction.

Table 36 shows PYLL due to external causes of death by LHA for the period 2003 through 2007 and for the year 2008. It also displays the observed number of years of lost life in each LHA for both periods and, for 2008, the expected PYLL based on the age distribution in the LHA adjusted to the provincial age and gender specific rate.

During the period, over half (42) of the LHAs had PYLL Indices that indicated significant differences compared to BC as a whole. Of these, 29 were higher than expected. In the more densely populated areas of the lower mainland, only one area (Vancouver Downtown Eastside) was significantly higher.

Vital Statistics Information Box

AGE AT DEATH OF THE OLDEST MALE AND FEMALE

BRITISH COLUMBIA, 1989-2008

Gender	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Male	110	113	105	111	111	109	108	108	106	109	108	109	104	104	107	106	107	105	107	106
Female	110	110	113	107	110	110	108	109	111	113	108	111	113	111	107	108	110	109	110	110

TABLE 34

POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH

BRITISH COLUMBIA, 2008

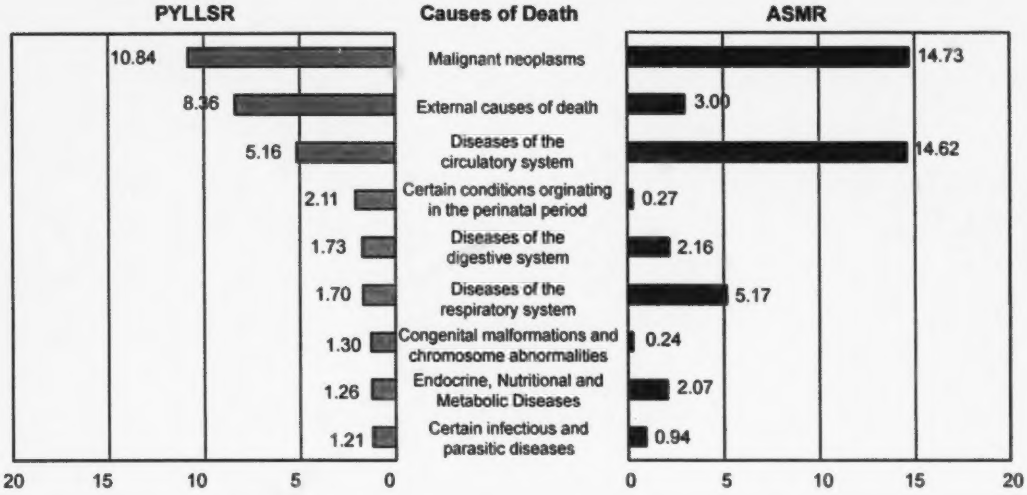
		PYLL (Age Under 75 Years)					Mortality (All Ages)		
Cause of Death	ICD-10 Code(s)	No. of Deaths	Total PYLL	Percent of PYLL	Average PYLL	PYLLSR	No. of Deaths	Percent of Deaths	ASMR
Certain infectious and parasitic diseases	**A00-B99**	**295**	**5,836.0**	**3.0**	**19.8**	**1.21**	**580**	**1.8**	**0.94**
- HIV disease	B20-B24	76	2,035.0	1.0	26.8	0.45	79	0.2	0.15
Malignant neoplasms	**C00-C97**	**4,504**	**56,937.0**	**29.3**	**12.6**	**10.84**	**8,843**	**27.7**	**14.73**
- Malignant neoplasm of trachea and lung	C33-C34	1,270	13,665.0	7.0	10.8	2.44	2,271	7.1	3.85
- Malignant neoplasm of female breast	C500-C509	343	5,692.5	2.9	16.6	2.14	592	1.9	1.83
- Malignant neoplasm of colon and rectum	C18-C21	464	5,720.0	2.9	12.3	1.06	1,027	3.2	1.67
Endocrine nutritional and metabolic diseases	**E00-E89**	**476**	**6,158.0**	**3.2**	**12.9**	**1.26**	**1,297**	**4.1**	**2.07**
- Diabetes mellitus	E10-E14	366	4,132.0	2.1	14.3	0.83	1,021	3.2	1.63
Diseases of the circulatory system	**I00-I99**	**2,329**	**27,332.0**	**14.1**	**11.7**	**5.16**	**9,937**	**31.2**	**14.62**
- Ischemic heart diseases	I20-I25	1,320	15,220.0	7.8	11.5	2.74	4,613	14.5	6.91
- Cerebrovascular diseases	I60-I69	419	4,457.0	2.3	10.6	0.88	2,409	7.6	3.47
Diseases of the respiratory system	**J00-J98**	**775**	**8,511.0**	**4.4**	**11.0**	**1.70**	**3,468**	**10.9**	**5.17**
- Pneumonia/Influenza (excluding hypostatic)	J09-J181, J188, J189	216	3,205.0	1.7	14.8	0.65	1,285	4.0	1.83
- Chronic Pulmonary Disease	J40-J44	364	2,957.0	1.5	8.1	0.56	1,489	4.7	2.28
Diseases of the digestive system	**K00-K93**	**595**	**9,031.5**	**4.7**	**15.2**	**1.73**	**1,364**	**4.3**	**2.16**
- Chronic liver disease/cirrhosis	K70, K73-74, K760-K761	331	5,662.5	2.9	17.1	1.06	392	1.2	0.68
Congenital malformations and chromosome abnormalities	**Q00-Q99**	**76**	**4,048.5**	**2.1**	**53.3**	**1.30**	**93**	**0.3**	**0.24**
Certain conditions originating in the perinatal period	**P00-P96**	**83**	**6,137.5**	**3.2**	**74.0**	**2.11**	**83**	**0.3**	**0.27**
External causes of death	**V01-Y98**	**1,128**	**33,959.0**	**17.5**	**30.1**	**8.36**	**1,546**	**4.8**	**3.00**
- Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	196	7,009.0	3.6	35.8	1.82	225	0.7	0.49
- Suicide	X60-X84, Y870	379	11,222.5	5.8	29.6	2.76	421	1.3	0.88
Other causes[1]		1,572	36,052.0	18.6	22.9	8.79	4,681	14.7	7.41
All causes		**11,833**	**194,002.5**	**100.0**	**16.4**	**42.47**	**31,892**	**100.0**	**50.59**

Note: PYLL – denotes the total number of years of life lost from an established life expectancy (75 years).
PYLLSR – per 1,000 standard population (Canada 1991 Census).
ASMR – per 10,000 standard population (Canada 1991 Census).
[1] Other causes includes undetermined and pending.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 39

POTENTIAL YEARS OF LIFE LOST AND AGE STANDARDIZED MORTALITY RATES BY SELECTED CAUSES OF DEATH

BRITISH COLUMBIA, 2008



Note: PYLLSR - Potential Years of Life Lost Standardized Rate (age under 75 years) per 1,000 standard population.
ASMR - Age Standardized Mortality Rate per 10,000 standard population.

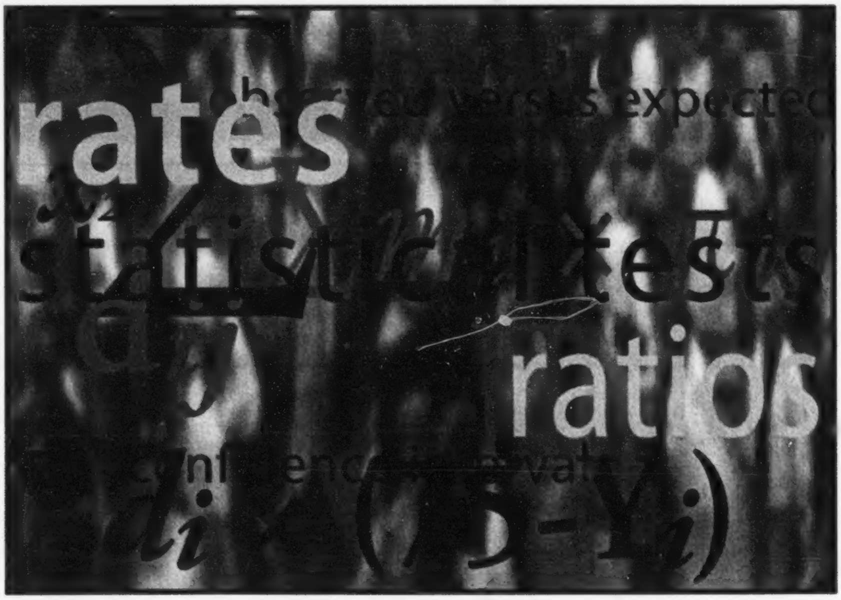

rates
observed versus expected
statistical tests
ratios
confidence intervals
(75-Yi)

TABLE 35

POTENTIAL YEARS OF LIFE LOST BY AGE GROUP AND MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 2008

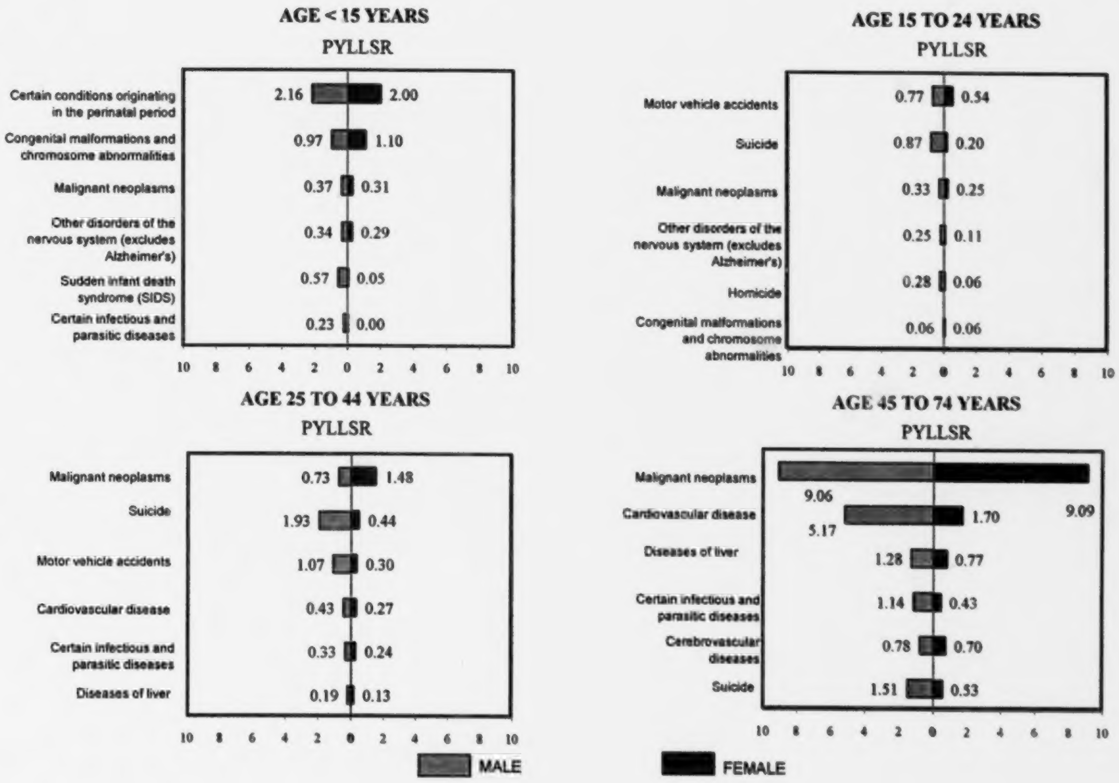
		Male				Female				Total			
Cause of Death	ICD-10 Code(s)	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR	Deaths	PYLL	PYLL %	PYLLSR
Under 15 Years Old													
Certain conditions originating in the perinatal period	P00-P96	42	3,129.0	29.8	2.16	39	2,898.5	39.3	2.00	81	6,027.5	33.7	2.08
Congenital malformations and chromosome abnormalities	Q00-Q99	19	1,410.5	13.4	0.97	22	1,610.5	21.8	1.10	41	3,021.0	16.9	1.04
Malignant neoplasms	C00-C97	9	598.5	5.7	0.37	7	478.5	6.5	0.31	16	1,077.0	6.0	0.34
Other disorders of the nervous system (exl. Alzheimer's)	G00-G25, G31-G99	7	500.0	4.8	0.34	6	430.0	5.8	0.29	13	930.0	5.2	0.31
Sudden infant death syndrome (SIDS)	R95	11	819.5	7.8	0.57	1	74.5	1.0	0.05	12	894.0	5.0	0.31
Certain infectious and parasitic diseases	A00-B99	5	351.0	3.3	0.23	0	0.0	0.0	0.00	5	351.0	2.0	0.12
Other causes[1]		53	3,700.0	35.2	2.41	27	1,889.5	25.6	1.24	80	5,589.5	31.2	1.83
All causes		**146**	**10,508.5**	**100.0**	**7.05**	**102**	**7,381.5**	**100.0**	**4.99**	**248**	**17,890.0**	**100.0**	**6.02**
15-24 Years Old													
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, 820-V821, V823-V890, V892, V899, Y850	28	1,525.0	14.4	0.77	19	1,052.5	19.7	0.54	47	2,577.5	16.2	0.66
Suicide	X60-X84, Y870	32	1,730.0	16.4	0.87	7	382.5	7.1	0.20	39	2,112.5	13.3	0.54
Malignant neoplasms	C00-C97	12	665.0	6.3	0.33	9	482.5	9.0	0.25	21	1,147.5	7.2	0.29
Other disorders of the nervous system (exl. Alzheimer's)	G00-G25, G31-G99	9	487.5	4.6	0.25	4	220.0	4.1	0.11	13	707.5	4.4	0.18
Homicide	X85-Y09, Y871	10	550.0	5.2	0.28	2	105.0	2.0	0.06	12	655.0	4.1	0.17
Congenital malformations and chromosome abnormalities	Q00-Q99	2	110.0	1.0	0.06	2	105.0	2.0	0.06	4	215.0	1.4	0.06
Other causes[1]		101	5,502.5	52.1	2.77	55	3,002.5	56.1	1.56	156	8,505.0	53.4	2.17
All causes		**194**	**10,570.0**	**100.0**	**5.32**	**98**	**5,350.0**	**100.0**	**2.77**	**292**	**15,920.0**	**100.0**	**4.06**
25-44 Years Old													
Malignant neoplasms	C00-C97	63	2,272.5	8.4	0.73	127	4,617.5	31.9	1.48	190	6,890.0	16.5	1.11
Suicide	X60-X84, Y870	119	4,562.5	16.8	1.93	29	1,117.5	7.7	0.44	148	5,680.0	13.6	1.18
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850	55	2,187.5	8.0	1.07	14	575.0	4.0	0.30	69	2,762.5	6.6	0.68
Cardiovascular disease	I00-I51	51	1,782.5	6.6	0.43	21	782.5	5.4	0.27	72	2,565.0	6.2	0.35
Certain infectious and parasitic diseases	A00-B99	29	1,052.5	3.9	0.33	11	442.5	3.1	0.24	40	1,495.0	3.6	0.29
Diseases of liver	K70-K76	19	667.5	2.5	0.19	16	560.0	3.9	0.13	35	1,227.5	2.9	0.16
Other causes[1]		381	14,682.5	54.0	6.36	167	6,392.5	44.1	2.67	548	21,075.0	50.5	4.50
All causes		**717**	**27,207.5**	**100.0**	**11.04**	**385**	**14,487.5**	**100.0**	**5.53**	**1,102**	**41,695.0**	**100.0**	**8.26**
45-74 Years Old													
Malignant neoplasms	C00-C97	2,307	24,942.5	34.4	9.06	1,970	22,880.0	49.7	9.09	4,277	47,822.5	40.4	9.10
Cardiovascular disease	I00-I51	1,288	13,675.0	18.9	5.17	446	4,265.0	9.3	1.70	1,674	17,940.0	15.1	3.46
Diseases of liver	K70-K76	222	3,305.0	4.6	1.28	118	1,780.0	3.9	0.77	340	5,085.0	4.3	1.02
Certain infectious and parasitic diseases	A00-B99	161	2,697.5	3.7	1.14	87	1,177.5	2.6	0.43	248	3,875.0	3.3	0.78
Cerebrovascular diseases	I60-I69	216	1,905.0	2.6	0.78	180	1,690.0	3.7	0.70	396	3,595.0	3.0	0.74
Suicide	X60-X84, Y870	134	2,355.0	3.3	1.51	57	1,012.5	2.2	0.53	191	3,367.5	2.8	1.02
Other causes[1]		1,901	23,557.5	32.5	10.21	1,164	13,255.0	28.8	5.66	3,065	36,812.5	31.1	7.95
All causes		**6,169**	**72,437.5**	**100.0**	**29.29**	**4,022**	**46,060.0**	**100.0**	**18.83**	**10,191**	**118,497.5**	**100.0**	**24.12**

Note: PYLL – Potential Years of Life Lost, denotes the total number of years of life lost from an established life expectancy (75 years). PYLLSR – PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census). [1]Other causes includes undetermined and pending. Causes of death are ordered by total PYLL in the age group. Total percentage may not add up to 100 due to rounding. Non-residents are excluded. The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

FIGURE 40

POTENTIAL YEARS OF LIFE LOST STANDARDIZED RATES BY AGE GROUP AND GENDER MAJOR CAUSES OF DEATH (AGE UNDER 75 YEARS)

BRITISH COLUMBIA, 2008



Note: Causes of death are ordered by total deaths (Table 35).
PYLLSR-PYLL Standardized Rate per 1,000 population.

Table 36

POTENTIAL YEARS OF LIFE LOST BY LOCAL HEALTH AREA
EXTERNAL CAUSES OF DEATH (AGE UNDER 75 YEARS), BRITISH COLUMBIA, 2003–2007 AND 2008

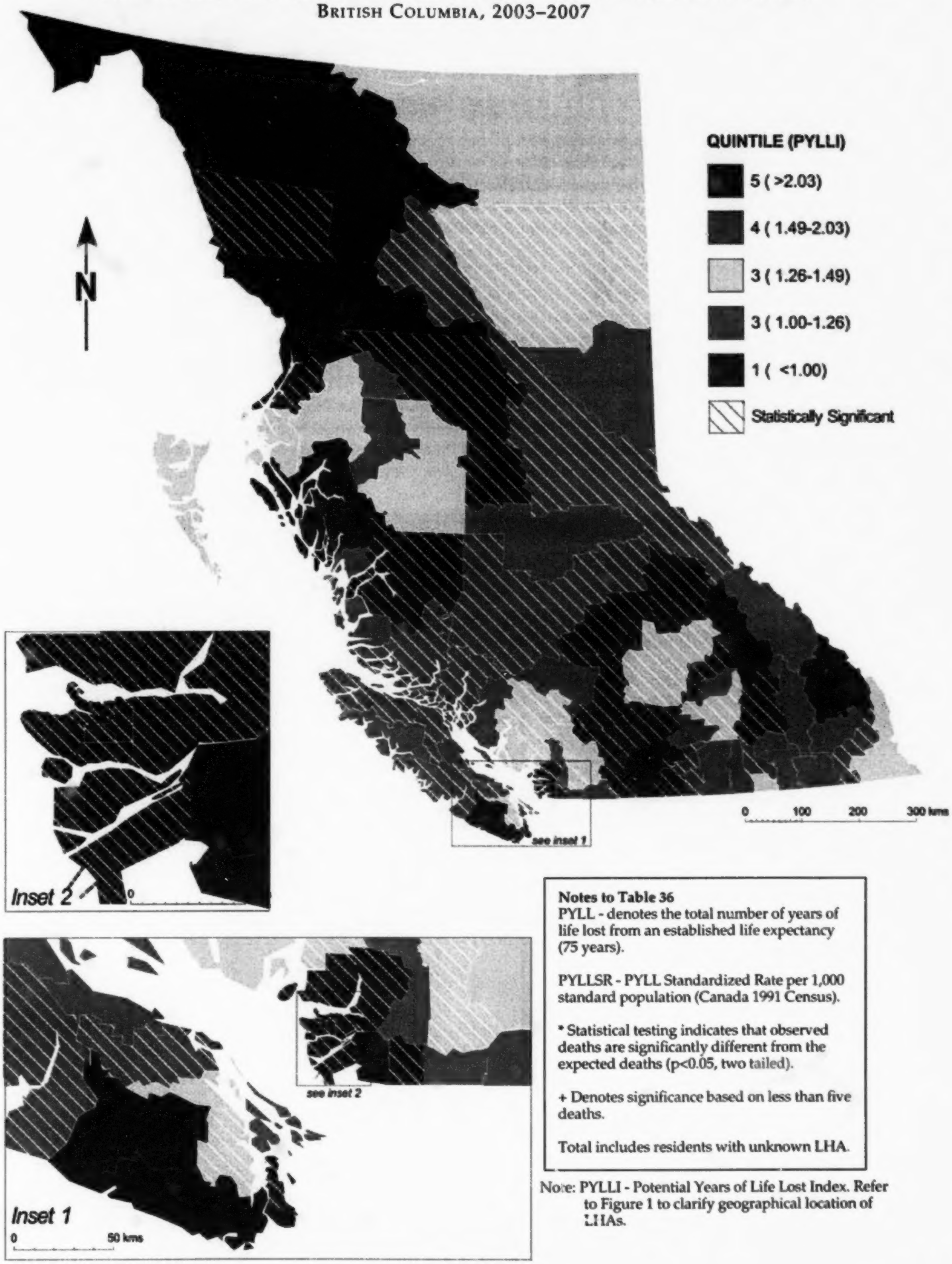
Local Health Area		2003–2007				2008					95% Confidence Limit	
		Observed Deaths	Observed PYLL	PYLL Index	(p)	Observed Deaths	Observed PYLL	Expected PYLL	PYLL Index	(p)	Lower	Upper
001	Fernie	34	1,150.0	1.37		13	522.5	117.45	4.45	*	1.93	6.97
002	Cranbrook	63	2,024.5	1.57	*	11	302.5	184.79	1.64		0.45	2.83
003	Kimberley	18	610.0	1.54		5	122.5	58.49	2.10		0.00	4.42
004	Windermere	19	457.5	0.93		5	162.5	81.41	2.00		0.17	3.83
005	Creston	27	782.5	1.53		9	272.5	75.98	3.59		0.66	6.52
006	Kootenay Lake	15	357.5	2.02		1	32.5	24.39	1.35		0.00	3.96
007	Nelson	52	1,410.0	1.08		7	227.5	187.84	1.21		0.27	2.16
009	Castlegar	30	1,122.0	1.66	*	2	75.0	98.03	0.77		0.00	1.83
010	Arrow Lakes	18	590.0	2.70	*	1	62.5	30.68	2.05		0.00	6.05
011	Trail	44	1,409.0	1.48		8	215.0	136.96	1.57		0.09	3.05
012	Grand Forks	25	657.5	1.63		7	227.5	57.77	3.95		0.89	7.00
013	Kettle Valley	9	177.5	1.06		1	37.5	23.54	1.61		0.00	4.74
014	Southern Okanagan	39	1,282.5	1.66	*	9	237.5	116.53	2.04		0.44	3.64
015	Penticton	94	2,949.5	1.58	*	9	237.5	273.39	0.87		0.18	1.56
016	Keremeos	24	745.0	3.73	*	1	27.5	34.61	0.81		0.00	2.37
017	Princeton	13	442.5	2.04		1	27.5	29.76	0.94		0.00	2.75
018	Golden	13	502.5	1.18		3	97.5	62.67	1.56		0.00	3.53
019	Revelstoke	12	360.0	0.80		1	32.5	62.38	0.53		0.00	1.55
020	Salmon Arm	95	3,277.5	2.14	*	9	267.5	234.52	1.14		0.32	1.97
021	Armstrong - Spallumcheen	23	757.5	1.60		4	70.0	65.40	1.07		0.00	2.30
022	Vernon	137	4,387.0	1.42	*	16	465.0	461.58	1.01		0.44	1.57
023	Central Okanagan	302	9,543.5	1.10		33	967.5	1,344.93	0.72	*	0.45	0.99
024	Kamloops	236	7,186.5	1.26	*	44	1,245.0	820.90	1.52	*	1.01	2.03
025	100 Mile House	54	1,550.0	2.16	*	4	160.0	100.99	1.58		0.00	3.22
026	North Thompson	16	705.0	3.09	*	5	162.5	30.25	5.39		0.11	10.66
027	Cariboo - Chilcotin	87	2,892.5	1.95	*	18	555.0	204.91	2.71	*	1.30	4.12
028	Quesnel	51	1,397.5	1.11		10	325.0	173.00	1.88		0.57	3.19
029	Lillooet	18	435.0	1.87		4	105.0	32.13	3.27		0.00	6.84
030	South Cariboo	28	780.0	2.25	*	4	95.0	49.12	1.93		0.00	4.15
031	Merritt	40	1,240.0	2.10	*	7	127.5	83.75	1.53		0.22	2.84
032	Hope	34	1,000.0	2.58	*	4	100.0	54.35	1.84		0.00	3.82
033	Chilliwack	129	4,147.5	1.02		27	942.5	607.21	1.55		0.92	2.18
034	Abbotsford	228	8,081.0	1.11		26	940.0	1,045.31	0.90		0.53	1.27
035	Langley	168	5,210.0	0.78	*	28	965.0	990.79	0.97		0.57	1.37
037	Delta	111	3,623.5	0.66	*	16	570.0	767.64	0.74		0.33	1.15
038	Richmond	134	4,176.5	0.40	*	29	962.5	1,478.40	0.65	*	0.38	0.92
040	New Westminster	115	3,377.5	0.95		23	742.5	524.75	1.42		0.79	2.04
041	Burnaby	239	7,607.5	0.61	*	39	1,102.5	1,775.73	0.62	*	0.40	0.85
042	Maple Ridge	149	5,251.5	1.07		23	627.5	729.07	0.86		0.46	1.26
043	Coquitlam	256	8,337.0	0.68	*	31	837.5	1,733.07	0.48	*	0.28	0.68
044	North Vancouver	140	4,856.5	0.65	*	20	570.0	1,056.96	0.54	*	0.27	0.81
045	West Vancouver-Bowen Is.	45	1,287.0	0.54	*	10	240.0	340.23	0.71		0.21	1.20
046	Sunshine Coast	53	1,687.0	1.32		6	140.0	194.60	0.72		0.10	1.34
047	Powell River	40	1,140.0	1.22		8	210.0	133.29	1.58		0.28	2.87
048	Howe Sound	77	2,862.5	1.35	*	11	402.5	299.25	1.35		0.50	2.19
049	Bella Coola Valley	21	752.5	4.47	*	1	52.5	20.04	2.65		0.00	7.78
050	Queen Charlotte	13	387.5	1.43		4	105.0	37.55	2.80		0.00	6.05
051	Snow Country	3	157.5	4.54		-	-	3.80	-		-	-
052	Prince Rupert	34	1,120.0	1.35		3	62.5	108.67	0.58		0.00	1.29
053	Upper Skeena	13	387.5	1.26		2	75.0	41.60	1.80		0.00	4.39
054	Smithers	40	1,372.0	1.49		7	217.5	122.33	1.78		0.30	3.26
055	Burns Lake	21	632.5	1.48		6	230.0	59.61	3.86		0.33	7.39
056	Nechako	50	1,870.0	2.15	*	10	260.0	113.18	2.30		0.71	3.89
057	Prince George	217	6,977.0	1.23	*	27	732.5	775.75	0.94		0.56	1.33
059	Peace River South	51	1,837.5	1.25		8	240.0	214.48	1.12		0.30	1.94
060	Peace River North	80	2,934.0	1.47	*	18	749.5	278.41	2.69	*	1.36	4.03
061	Greater Victoria	352	10,909.0	0.90		57	1,722.5	1,705.64	1.01		0.72	1.30
062	Sooke	88	2,835.0	0.84		17	517.5	521.16	0.99		0.45	1.54
063	Saanich	75	2,317.5	0.80	*	16	525.0	416.07	1.26		0.59	1.93
064	Gulf Islands	26	745.0	1.18		5	112.5	95.65	1.18		0.03	2.33
065	Cowichan	110	3,774.0	1.36	*	20	600.0	405.95	1.48		0.76	2.20
066	Lake Cowichan	8	300.0	0.96		1	12.5	45.59	0.29	+	0.00	0.82
067	Ladysmith	31	1,137.5	1.39		7	167.5	123.03	1.37		0.07	2.66
068	Nanaimo	196	6,426.5	1.26	*	15	447.0	745.76	0.60	*	0.25	0.95
069	Qualicum	70	2,155.0	1.21		7	227.5	269.85	0.84		0.15	1.54
070	Alberni	97	3,192.0	1.95	*	5	142.5	228.48	0.63		0.00	1.30
071	Courtenay	103	3,154.5	1.06		22	590.0	443.77	1.33		0.69	1.97
072	Campbell River	112	3,350.0	1.55	*	24	695.0	308.76	2.25	*	1.21	3.30
075	Mission	92	3,070.0	1.34	*	12	435.0	334.97	1.30		0.49	2.11
076	Agassiz - Harrison	19	652.5	1.46		1	32.5	61.83	0.53		0.00	1.56
077	Summerland	10	335.0	0.67		7	262.5	73.76	3.57		0.77	6.36
078	Enderby	19	602.5	1.65		5	162.5	55.00	2.96		0.23	5.70
080	Kitimat	22	555.0	0.90		2	45.0	81.48	0.55		0.00	1.39
081	Fort Nelson	16	619.5	1.48		4	175.0	57.38	3.05		0.00	6.22
083	Central Coast	4	165.0	1.75		-	-	12.17	-		-	-
084	Vancouver Island West	4	150.0	1.18		4	90.0	18.25	4.93		0.00	11.62
085	Vancouver Island North	39	1,419.5	1.96	*	12	340.0	93.59	3.63	*	1.38	5.89
087	Stikine	4	135.0	2.37		2	75.0	7.41	10.13		0.00	26.99
088	Terrace	45	1,596.5	1.42		10	370.0	155.15	2.38		0.82	3.95
092	Nisga'a	12	485.0	4.26	*	4	140.0	14.04	9.97		0.00	21.51
094	Telegraph Creek	7	307.5	7.59	*	1	27.5	5.09	5.50		0.00	16.10
161	Vancouver - City Centre	192	5,685.0	0.73	*	30	895.0	1,135.13	0.79		0.47	1.11
162	Vancouver - Downtown E.side	276	8,115.0	2.21	*	41	1,157.5	564.34	2.05	*	1.37	2.74
163	Vancouver - North East	123	4,012.5	0.68	*	12	310.0	836.59	0.37	*	0.13	0.61
164	Vancouver - Westside	118	3,415.0	0.45	*	14	270.0	1,072.56	0.25	*	0.09	0.41
165	Vancouver - Midtown	109	3,352.0	0.64	*	13	417.5	705.24	0.59	*	0.25	0.93
166	Vancouver - South	122	3,960.0	0.52	*	20	630.0	1,040.99	0.61	*	0.31	0.90
201	Surrey	582	19,793.0	0.97		88	2,530.0	3,003.94	0.84		0.65	1.04
202	South Surrey/White Rock	96	3,444.5	0.93		7	172.5	556.18	0.31	*	0.03	0.59
	PROVINCIAL TOTAL	**7,319**	**236,883.5**	**1.00**		**1,128**	**33,959.0**	**33,959.00**	**1.00**		**0.93**	**1.07**

Notes for this table follow the map.

FIGURE 41

EXTERNAL CAUSES OF DEATH BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003–2007


QUINTILE (PYLLI)
5 (>2.03)
4 (1.49-2.03)
3 (1.26-1.49)
3 (1.00-1.26)
1 (<1.00)
Statistically Significant
N
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Notes to Table 36
PYLL - denotes the total number of years of life lost from an established life expectancy (75 years).

PYLLSR - PYLL Standardized Rate per 1,000 standard population (Canada 1991 Census).

* Statistical testing indicates that observed deaths are significantly different from the expected deaths (p<0.05, two tailed).

+ Denotes significance based on less than five deaths.

Total includes residents with unknown LHA.

Note: PYLLI - Potential Years of Life Lost Index. Refer to Figure 1 to clarify geographical location of LHAs.

Medically Treatable Diseases

A list of causes has been identified where death could potentially have been avoided through appropriate and timely medical intervention and treatment. It should be noted that the causes are considered to have been amenable to medical treatment only if the death occurred to persons within specific age ranges. Please see the footnote on Table 37 for a list of the causes and ages included in this category.

There were only 159 deaths due to these causes in 2008, which represents 0.5 percent of all deaths in the province.

Table 37 indicates the number and percent of all medically treatable disease (MTD) deaths by cause for 2008 and the five-year period 2003-2007. Bacterial infections accounted for most of the deaths due to MTDs in 2008 and the previous five years. In 2008, two cause categories, *Hypertension and Hypertensive Diseases*, and *Pneumonia and Unqualified Bronchitis*, accounted for almost 5 in 11 male deaths due to MTDs (44.6 percent) and for females, about 1 in 3 (32.9 percent).

Table 38 shows the count of deaths due to MTDs organized by the LHA in which the decedent lived. For the current year (2008) the table shows the actual number of deaths observed in the LHA and the expected deaths (calculated using the 2008 age-specific death rates for MTD).

There were eleven LHAs that had no deaths due to these conditions in 2003-2007 and forty one in 2008 as shown in Table 38. Further, there were only six LHAs in 2003-2007 that showed differences between observed and expected deaths that were statistically significant based on five or more deaths and only two LHAs with five or more deaths had statistically significant and high ratios in 2008.

Figure 42 shows the province divided up into its eighty-nine LHAs, with each area indicated as to whether its SMR for deaths due to MTDs was high or low on a five category scale: deep green indicates the highest SMRs and dark grey indicates the lowest. As might be expected from a table containing such low counts, this map shows no obvious geographic pattern of location of the quintiles.

TABLE 37

DEATHS DUE TO MEDICALLY TREATABLE DISEASES BY SELECTED CAUSES AND GENDER

BRITISH COLUMBIA, 2003–2007 AND 2008

Cause of Death	ICD-10 Code(s)	2003–2007		2008					
				Male		Female		Total	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Bacterial Infections*	A00-A05, ..., M871	266	32.1	35	42.2	24	31.6	59	37.1
Pneumonia and unqualified bronchitis	J12-J181, J188, J189, J40	156	18.8	25	30.1	17	22.4	42	26.4
Hypertension and hypertensive diseases	I10-I15	152	18.4	12	14.5	8	10.5	20	12.6
Malignant neoplasm of cervix	C53	150	18.1	-	-	20	26.3	20	12.6
Abdominal hernias, cholecystitis and cholelithiasis, appendicitis	K35-K37, K40-K46, K80, K81	34	4.1	5	6.0	1	1.3	6	3.8
Asthma	J45-J46	29	3.5	4	4.8	2	2.6	6	3.8
Tuberculosis	A15-A19, B90	17	2.1	2	2.4	2	2.6	4	2.5
Hodgkin's disease	C81	10	1.2	-	-	-	-	-	-
Chronic rheumatic heart disease	I05-I09	9	1.1	-	-	1	1.3	1	0.6
Acute respiratory infections and influenza	J00-J06, J09-J11, J20-22	5	0.6	-	-	1	1.3	1	0.6
Nutritional anemias	D50-D53	-	-	-	-	-	-	-	-
TOTAL		828	100.0	83	100.0	76	100.0	159	100.0

Note: Medically Treatable Diseases (MTDs) based on Charlton's definition (see Glossary).

*ICD–10 codes A00–A05, A20–A49, B95–B96, G00, H66, H70, H95.0–H95.1, I00–I01, I02.0, I02.9, L01–L08, M00, M02.8–M02.9, M46.2, M86, M87.1.

Deaths due to MTDs exclude all deaths less than age 5 years old.

Deaths due to MTDs also exclude

- deaths aged 65 or more from hypertensive disease.
- deaths aged 50 or more from pneumonia and unqualified bronchitis.
- deaths aged 65 or more from cervical cancer.
- deaths aged 65 or more from tuberculosis.
- deaths aged 50 or more from asthma.
- deaths aged 45 or more from chronic rheumatic heart disease.
- deaths aged 50 or more from acute respiratory infections and influenza.
- deaths aged 65 or more from bacterial infections.
- deaths aged 35 or more from Hodgkin's disease.
- deaths aged 65 or more from abdominal hernias, cholecystitis and cholelithiasis, appendicitis.
- deaths aged 65 or more from deficiency nutritional anemias.

Total percentage may not add up to 100 due to rounding.

The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

Table 38

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DEATHS DUE TO MEDICALLY TREATABLE DISEASES, BRITISH COLUMBIA, 2003–2007 AND 2008

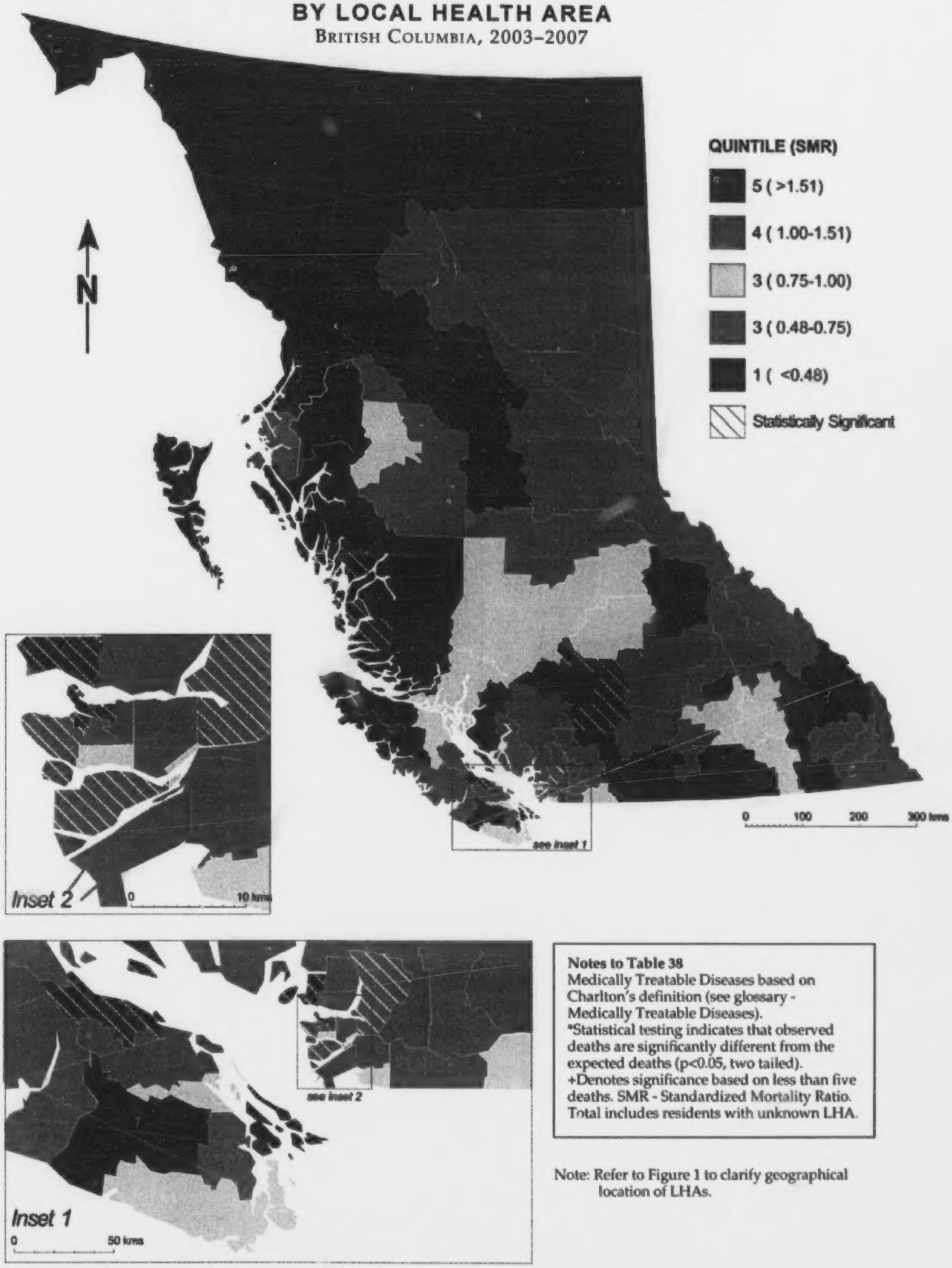
Local Health Area		2003–2007			2008				95% Confidence Interval		
		Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower		Upper
001	Fernie	2	0.65		-	0.58	-		-	-	-
002	Cranbrook	3	0.60		-	0.95	-		-	-	-
003	Kimberley	2	1.14		1	0.33	3.01		0.04	-	16.73
004	Windermere	-	-		-	0.42	-		-	-	-
005	Creston	4	1.68		2	0.46	4.35		0.49	-	15.69
006	Kootenay Lake	-	-		-	0.15	-		-	-	-
007	Nelson	4	0.80		1	0.96	1.04		0.01	-	5.79
009	Castlegar	6	2.27		-	0.50	-		-	-	-
010	Arrow Lakes	1	0.93		-	0.20	-		-	-	-
011	Trail	6	1.53		-	0.75	-		-	-	-
012	Grand Forks	-	-		-	0.34	-		-	-	-
013	Kettle Valley	-	-		-	0.15	-		-	-	-
014	Southern Okanagan	6	1.60		-	0.71	-		-	-	-
015	Penticton	10	1.33		1	1.44	0.70		0.01	-	3.87
016	Keremeos	-	-		-	0.23	-		-	-	-
017	Princeton	2	1.76		-	0.19	-		-	-	-
018	Golden	2	1.41		-	0.29	-		-	-	-
019	Revelstoke	2	1.23		-	0.30	-		-	-	-
020	Salmon Arm	10	1.49		2	1.33	1.50		0.17	-	5.43
021	Armstrong - Spallumcheen	1	0.52		-	0.34	-		-	-	-
022	Vernon	10	0.82		6	2.36	2.54		0.93	-	5.53
023	Central Okanagan	33	1.04		5	6.38	0.78		0.25	-	1.83
024	Kamloops	27	1.27		8	4.09	1.95		0.84	-	3.85
025	100 Mile House	3	0.90		1	0.60	1.65		0.02	-	9.21
026	North Thompson	2	2.12		1	0.17	5.78		0.08	-	32.17
027	Cariboo - Chilcotin	5	0.93		-	1.00	-		-	-	-
028	Quesnel	3	0.63		3	0.88	3.41		0.69	-	9.96
029	Lillooet	3	3.41		-	0.16	-		-	-	-
030	South Cariboo	5	3.20	*	1	0.28	3.64		0.05	-	20.22
031	Merritt	3	1.31		1	0.43	2.35		0.03	-	13.05
032	Hope	5	3.00		-	0.30	-		-	-	-
033	Chilliwack	13	0.93		6	2.74	2.19		0.80	-	4.77
034	Abbotsford	14	0.62		3	4.34	0.69		0.14	-	2.02
035	Langley	24	1.04		4	4.53	0.88		0.24	-	2.26
037	Delta	23	1.12		4	3.75	1.07		0.29	-	2.73
038	Richmond	21	0.57	*	3	7.00	0.43		0.09	-	1.25
040	New Westminster	12	0.99		4	2.40	1.67		0.45	-	4.27
041	Burnaby	29	0.72		4	7.61	0.53		0.14	-	1.35
042	Maple Ridge	19	1.14		-	3.32	-		-	-	-
043	Coquitlam	27	0.66	*	5	7.81	0.64		0.21	-	1.49
044	North Vancouver	18	0.67		3	5.10	0.59		0.12	-	1.72
045	West Vancouver-Bowen Is.	4	0.38	+	2	1.90	1.05		0.12	-	3.80
046	Sunshine Coast	7	1.16		1	1.20	0.83		0.01	-	4.63
047	Powell River	7	1.67		1	0.79	1.26		0.02	-	7.03
048	Howe Sound	8	1.33		-	1.19	-		-	-	-
049	Bella Coola Valley	1	1.67		-	0.10	-		-	-	-
050	Queen Charlotte	2	1.96		-	0.19	-		-	-	-
051	Snow Country	-	-		-	0.02	-		-	-	-
052	Prince Rupert	2	0.68		-	0.53	-		-	-	-
053	Upper Skeena	1	0.99		-	0.19	-		-	-	-
054	Smithers	3	0.95		-	0.58	-		-	-	-
055	Burns Lake	2	1.35		-	0.28	-		-	-	-
056	Nechako	6	2.06		1	0.52	1.93		0.03	-	10.76
057	Prince George	25	1.31		9	3.52	2.56	*	1.17	-	4.86
059	Peace River South	7	1.40		3	0.96	3.13		0.63	-	9.16
060	Peace River North	7	1.26		-	1.06	-		-	-	-
061	Greater Victoria	32	0.77		12	7.85	1.53		0.79	-	2.67
062	Sooke	10	0.82		2	2.52	0.79		0.09	-	2.87
063	Saanich	11	0.84		-	2.40	-		-	-	-
064	Gulf Islands	-	-		-	0.65	-		-	-	-
065	Cowichan	7	0.65		-	2.05	-		-	-	-
066	Lake Cowichan	4	3.10		-	0.24	-		-	-	-
067	Ladysmith	3	0.82		1	0.73	1.38		0.02	-	7.65
068	Nanaimo	23	1.18		2	3.71	0.54		0.06	-	1.94
069	Qualicum	3	0.33	+	2	1.83	1.09		0.12	-	3.95
070	Alberni	8	1.26		-	1.16	-		-	-	-
071	Courtenay	8	0.64		3	2.45	1.22		0.25	-	3.57
072	Campbell River	8	0.94		-	1.62	-		-	-	-
075	Mission	5	0.66		1	1.47	0.68		0.01	-	3.80
076	Agassiz - Harrison	2	1.18		2	0.32	6.24		0.70	-	22.52
077	Summerland	-	-		-	0.42	-		-	-	-
078	Enderby	4	2.68		-	0.29	-		-	-	-
080	Kitimat	1	0.44		1	0.40	2.50		0.03	-	13.92
081	Fort Nelson	2	1.77		1	0.22	4.54		0.06	-	25.27
083	Central Coast	3	10.75	+	-	0.05	-		-	-	-
084	Vancouver Island West	-	-		1	0.10	10.39		0.14	-	57.84
085	Vancouver Island North	5	1.85		-	0.47	-		-	-	-
087	Stikine	-	-		-	0.04	-		-	-	-
088	Terrace	7	1.77		2	0.73	2.73		0.31	-	9.85
092	Nisga'a	-	-		-	0.07	-		-	-	-
094	Telegraph Creek	1	8.81		-	0.02	-		-	-	-
161	Vancouver - City Centre	37	1.70	*	4	4.22	0.95		0.25	-	2.43
162	Vancouver - Downtown E.side	50	4.35	*	10	2.40	4.16	*	1.99	-	7.65
163	Vancouver - North East	19	1.04		1	3.52	0.28		0.00	-	1.58
164	Vancouver - Westside	15	0.60	*	4	4.61	0.87		0.23	-	2.22
165	Vancouver - Midtown	10	0.63		1	3.04	0.33		0.00	-	1.83
166	Vancouver - South	21	0.85		4	4.63	0.86		0.23	-	2.21
201	Surrey	69	1.08		16	12.75	1.25		0.72	-	2.04
202	South Surrey/White Rock	13	0.82		2	3.10	0.64		0.07	-	2.33
	PROVINCIAL TOTAL	**828**	**1.00**		**159**	**159.00**	**1.00**		**0.85**	-	**1.17**

Notes for this table follow the map.

FIGURE 42

DEATHS DUE TO MEDICALLY TREATABLE DISEASES
BY LOCAL HEALTH AREA

BRITISH COLUMBIA, 2003–2007


QUINTILE (SMR)
5 (>1.51)
4 (1.00-1.51)
3 (0.75-1.00)
3 (0.48-0.75)
1 (<0.48)
Statistically Significant
N
0
100
200
300 kms
see inset 1
Inset 2
0
10 kms
see inset 2
Inset 1
0
50 kms

Notes to Table 38
Medically Treatable Diseases based on Charlton's definition (see glossary - Medically Treatable Diseases).
*Statistical testing indicates that observed deaths are significantly different from the expected deaths (p<0.05, two tailed).
+Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio.
Total includes residents with unknown LHA.

Note: Refer to Figure 1 to clarify geographical location of LHAs.

Alcohol-Related Deaths

Alcohol-related deaths provide information on deaths due to alcohol (directly related) as well as those where alcohol was a contributing factor (indirectly related). Alcohol-related and drug overdose deaths are the only cause of death categories in this publication that are not based entirely upon the underlying causes of death. See the *Glossary* for a further explanation of alcohol-related deaths and Table 39 for the list of causes used for deaths directly due to alcohol.

Table 39 shows the number and percent of deaths that were directly and indirectly related to alcohol in 2008 and in the five preceding years, while figure 43 graphically shows the pattern of alcohol-related deaths by cause. About one quarter (23.0 percent) of the 1,947 deaths related to alcohol in 2008 were directly attributable to alcohol (448 deaths). Alcohol was a contributing factor in the remaining 77.0 percent of these deaths. The table indicates that most of the deaths directly attributable to alcohol were caused by liver disease (14.7 percent).

Table 40 shows numbers and percentages of alcohol-related deaths by age group for males, females, and the total population. All alcohol-related deaths, whether directly or indirectly related to alcohol, are included in this table.

Alcohol-related deaths constitute 6.1 percent of all deaths in 2008 and 8.8 percent of all male deaths. Males died of such causes nearly three times more frequently as women in 2008.

Nearly half (42.6 percent) of all alcohol deaths were of seniors (65 or older); 44.9 percent were people between the ages of 45 and 64.

The numbers of deaths directly and indirectly related to alcohol are shown for the LHAs in Table 41.

There were twenty-one LHAs with at least five deaths where the observed values were statistically significant and above the expected values in both 2003-2007 and 2008 as shown in Table 41. There were ten LHAs with SMRs that were statistically significant and low in both time periods. The map in Figure 44 shows the SMR quintiles and statistical significance patterns in each LHA during 2003-2007.

Reports of alcohol-related deaths in 2008 are lower than in previous years. Many alcohol related deaths are referred to the BC Coroner Service for investigation. As with external causes of death, the medical coding will be incomplete until the coroner closes the investigation. For this reason the counts are often lower in the current year and are adjusted upwards in later annual reports.

TABLE 39

ALCOHOL-RELATED DEATHS BY CAUSE

BRITISH COLUMBIA, 2003–2007 AND 2008

Cause of Death	ICD-10 Code(s)	Year of Death			
		2003–2007		2008	
		Number	Percent	Number	Percent
Directly Related to Alcohol					
Alcohol intoxication	F100	194	1.9	30	1.5
Alcoholic psychoses and dependence	F101-F109	514	5.1	87	4.5
Alcoholic neurological disorders	G312, G621, G721	-	-	-	-
Alcoholic cardiomyopathy	I426	82	0.8	18	0.9
Alcoholic gastritis	K292	9	0.1	4	0.2
Alcoholic liver disease	K70	1,025	10.2	286	14.7
Alcohol induced chronic pancreatitis	K860	12	0.1	1	0.1
Alcohol poisoning	X45, X65	88	0.9	22	1.1
Other alcohol causes	E244, O354, O993, P043, Q860, R780 T510-T512, T519	-	-	-	-
SUBTOTAL		1,924	19.2	448	23.0
Indirectly Related to Alcohol[1]					
Certain infectious and parasitic diseases	A00-B99	311	3.1	64	3.3
Neoplasms	C00-D48	1,193	11.9	233	12.0
Endocrine/Nutritional/Metabolic	E00-E243, E248-E89	284	2.8	51	2.6
Mental disorders	F00-F09, F11-F99	130	1.3	23	1.2
Neurological diseases	G00-G311, G318-G620, G622-G720, G722-G99	120	1.2	26	1.3
Circulatory	I00-I425, I427-I99	2,120	21.2	384	19.7
Diseases of the respiratory system	J00-J98	676	6.7	135	6.9
Digestive system diseases	K00-K291, K293-K69, K71-K85, K861-K92	618	6.2	89	4.6
Urinary system diseases	N00-N39, N990, N991, N995	100	1.0	20	1.0
Unintentional injury	V01-X44, X46-X59, Y40-Y86, Y88	1,544	15.4	234	12.0
Suicide	X60-X64, X66-X84, Y87	527	5.3	85	4.4
Homicide	X85-Y09, Y871	53	0.5	5	0.3
All other causes		419	4.2	150	7.7
SUBTOTAL		8,095	80.8	1,499	77.0
TOTAL		10,019	100.0	1,947	100.0

Note: [1] ICD-10 codes for indirectly related to alcohol exclude the codes for directly related to alcohol and will not match the list of codes used for these categories in other tables.

Total percentage may not add up to 100 due to rounding. Non-residents are excluded.

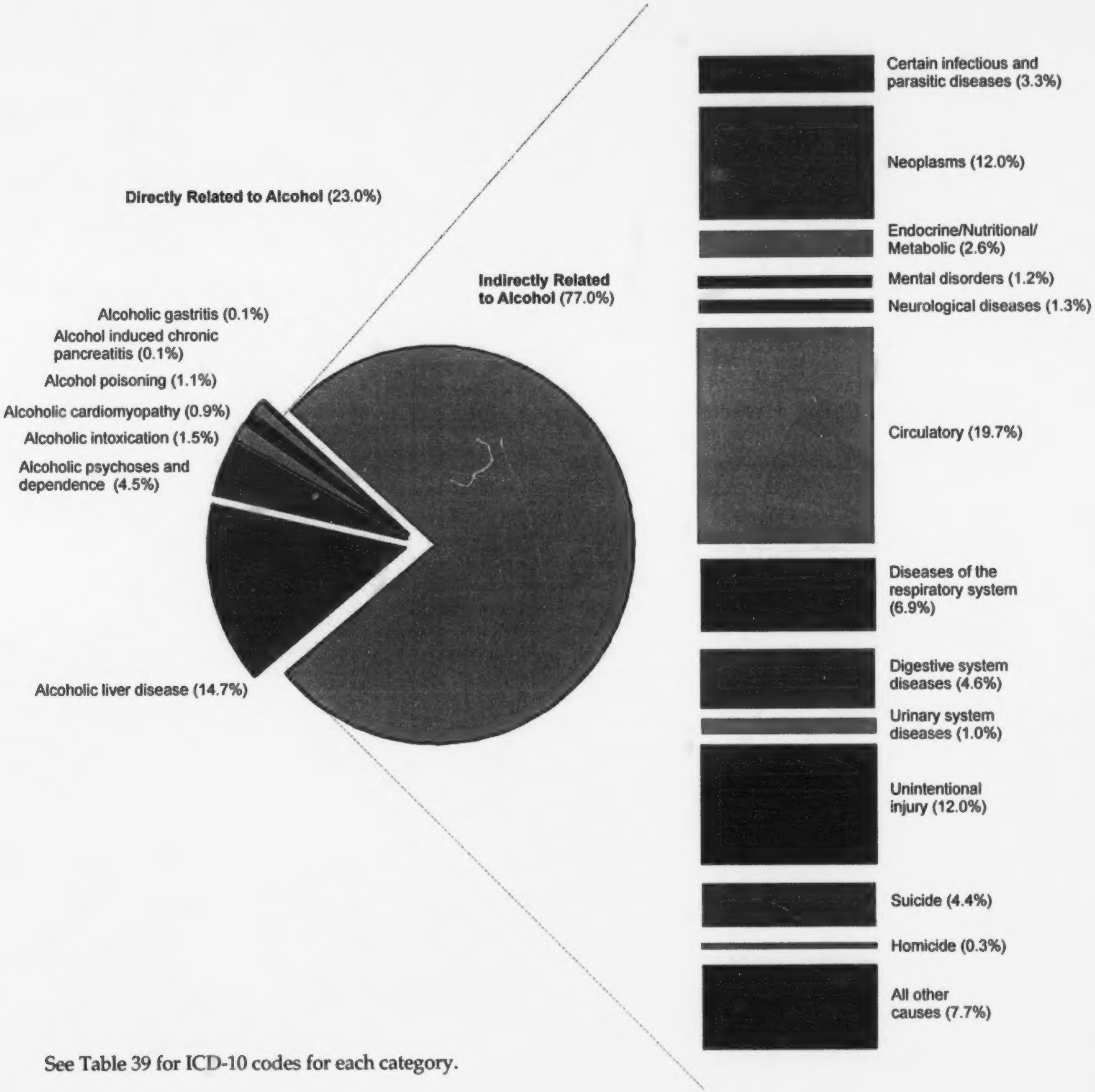
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000. The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

In 2008, the BC Coroners Service and BC Vital Statistics Agency engaged in a retrospective review of death registrations of alcohol-related fatalities. As a result of the project, a number of registrations were ammended and are reflected in this report.

FIGURE 43

ALCOHOL-RELATED DEATHS BY CAUSE

BRITISH COLUMBIA, 2008



See Table 39 for ICD-10 codes for each category.

TABLE 40

ALCOHOL-RELATED DEATHS BY AGE AND GENDER

BRITISH COLUMBIA, 2008

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	-	-	2	0.4	2	0.1
15-19	7	0.5	4	0.8	11	0.6
20-24	21	1.5	4	0.8	25	1.3
25-44	147	10.2	57	11.3	204	10.5
45-64	651	45.1	224	44.4	875	44.9
65-84	548	38.0	173	34.3	721	37.0
85+	68	4.7	41	8.1	109	5.6
TOTAL	**1,442**	**100.0**	**505**	**100.0**	**1,947**	**100.0**

Note: Alcohol-related deaths – see Table 39 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding. Non-residents are excluded.
Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality.
With the introduction of ICD-10 in 2000, more specific codes are available.
Currently produced data should not be used in combination with data produced prior to 2000.
In 2008, the BC Coroners Service and BC Vital Statistics Agency engaged in a retrospective review of death registrations of alcohol-related fatalities. As a result of the project, a number of registrations were ammended and are reflected in this report.

Table 41

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA ALCOHOL-RELATED DEATHS,

BRITISH COLUMBIA, 2003–2007 AND 2008

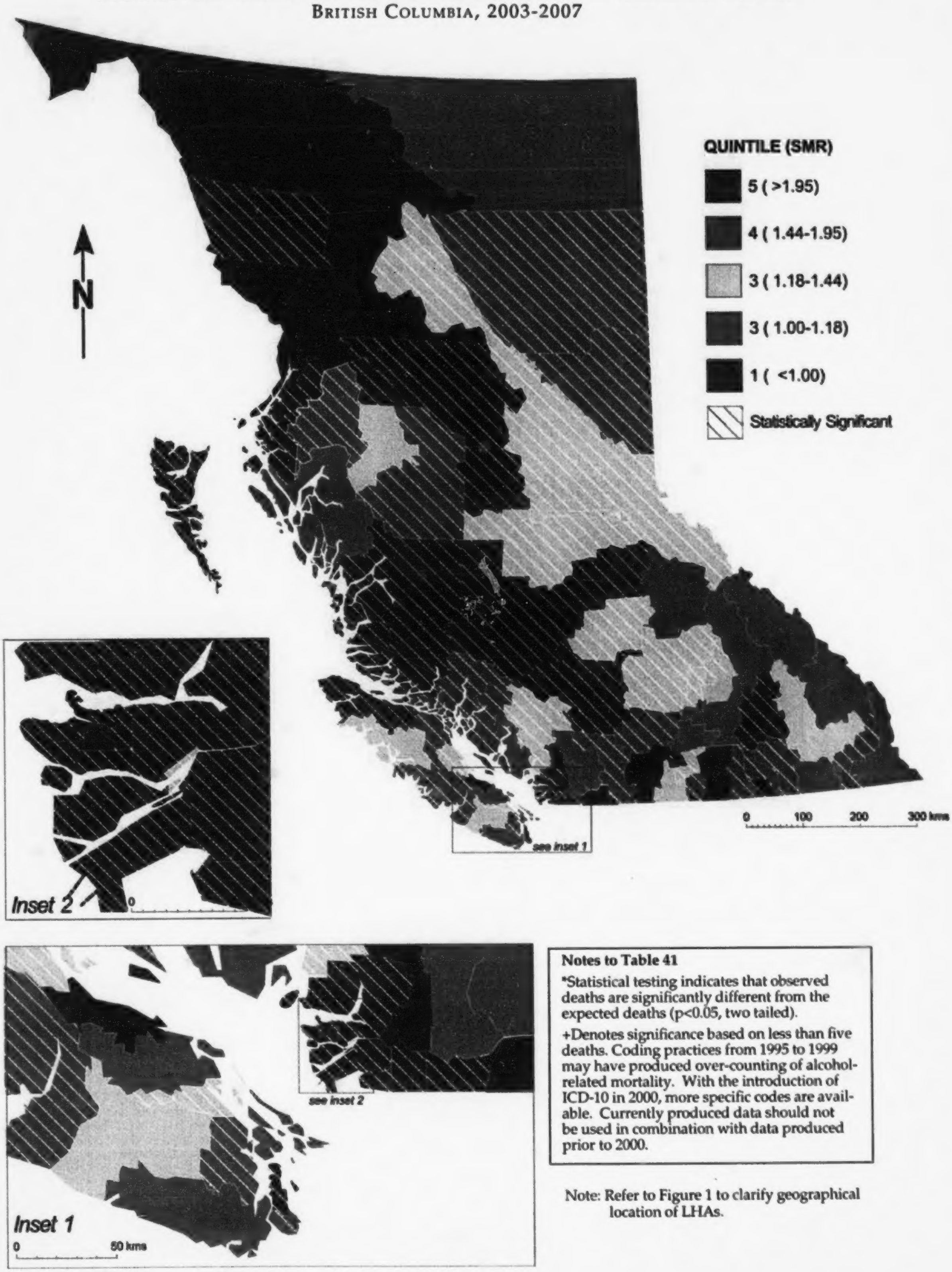
Local Health Area		2003–2007			2008				95% Confidence Interval		
		Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower		Upper
001	Fernie	36	1.09		8	6.42	1.25		0.54	-	2.46
002	Cranbrook	102	1.66	*	13	12.03	1.08		0.57	-	1.85
003	Kimberley	32	1.34		6	4.61	1.30		0.48	-	2.83
004	Windermere	25	1.04		10	4.99	2.01		0.96	-	3.69
005	Creston	40	1.03		3	7.53	0.40		0.08	-	1.16
006	Kootenay Lake	15	1.38		2	2.11	0.95		0.11	-	3.43
007	Nelson	95	1.58	*	20	11.55	1.73	*	1.06	-	2.67
009	Castlegar	52	1.55	*	7	6.53	1.07		0.43	-	2.21
010	Arrow Lakes	34	2.32	*	4	2.84	1.41		0.38	-	3.60
011	Trail	111	2.09	*	14	10.25	1.37		0.75	-	2.29
012	Grand Forks	41	1.47	*	5	5.32	0.94		0.30	-	2.19
013	Kettle Valley	11	0.98		-	2.24	-		-	-	-
014	Southern Okanagan	105	1.53	*	24	13.06	1.84	*	1.18	-	2.74
015	Penticton	149	1.19	*	25	23.59	1.06		0.69	-	1.56
016	Keremeos	25	1.40		5	3.75	1.33		0.43	-	3.11
017	Princeton	14	0.84		2	3.22	0.62		0.07	-	2.24
018	Golden	18	1.17		2	3.05	0.65		0.07	-	2.36
019	Revelstoke	20	1.07		3	3.55	0.84		0.17	-	2.47
020	Salmon Arm	123	1.27	*	12	19.42	0.62		0.32	-	1.08
021	Armstrong - Spallumcheen	25	1.00		1	4.91	0.20		0.00	-	1.13
022	Vernon	184	1.09		26	32.60	0.80		0.52	-	1.17
023	Central Okanagan	442	1.00		98	87.12	1.12		0.91	-	1.37
024	Kamloops	310	1.20	*	50	51.28	0.98		0.72	-	1.29
025	100 Mile House	57	1.33	*	12	8.37	1.43		0.74	-	2.50
026	North Thompson	17	1.55		8	2.16	3.71	*	1.60	-	7.31
027	Cariboo - Chilcotin	118	2.00	*	24	11.68	2.05	*	1.32	-	3.06
028	Quesnel	76	1.38	*	20	10.76	1.86	*	1.14	-	2.87
029	Lillooet	31	2.97	*	7	2.05	3.41	*	1.37	-	7.02
030	South Cariboo	58	2.80	*	11	4.02	2.73	*	1.36	-	4.89
031	Merritt	48	1.68	*	14	5.55	2.52	*	1.38	-	4.23
032	Hope	45	1.89	*	9	4.59	1.96		0.90	-	3.73
033	Chilliwack	162	0.87		27	36.44	0.74		0.49	-	1.08
034	Abbotsford	206	0.74	*	36	53.10	0.68	*	0.47	-	0.94
035	Langley	207	0.77	*	49	52.24	0.94		0.69	-	1.24
037	Delta	162	0.70	*	32	43.95	0.73		0.50	-	1.03
038	Richmond	168	0.41	*	29	83.00	0.35	*	0.23	-	0.50
040	New Westminster	181	1.30	*	40	26.93	1.49	*	1.06	-	2.02
041	Burnaby	364	0.76	*	58	91.98	0.63	*	0.48	-	0.82
042	Maple Ridge	178	0.99		24	35.43	0.68		0.43	-	1.01
043	Coquitlam	279	0.68	*	42	81.49	0.52	*	0.37	-	0.70
044	North Vancouver	183	0.60	*	40	58.89	0.68	*	0.49	-	0.92
045	West Vancouver-Bowen Is.	83	0.55	*	10	28.35	0.35	*	0.17	-	0.65
046	Sunshine Coast	85	1.02		20	16.74	1.19		0.73	-	1.85
047	Powell River	88	1.55	*	21	11.12	1.89	*	1.17	-	2.89
048	Howe Sound	74	1.30	*	17	11.12	1.53		0.89	-	2.45
049	Bella Coola Valley	32	4.74	*	5	1.26	3.96	*	1.28	-	9.25
050	Queen Charlotte	30	2.88	*	10	2.05	4.87	*	2.33	-	8.95
051	Snow Country	3	1.99		-	0.24	-		-	-	-
052	Prince Rupert	62	1.99	*	16	5.81	2.76	*	1.57	-	4.47
053	Upper Skeena	24	2.23	*	2	2.07	0.97		0.11	-	3.49
054	Smithers	40	1.24		9	6.26	1.44		0.66	-	2.73
055	Burns Lake	29	1.64	*	7	3.27	2.14		0.86	-	4.41
056	Nechako	71	2.22	*	15	6.07	2.47	*	1.38	-	4.07
057	Prince George	267	1.37	*	58	37.81	1.53	*	1.16	-	1.98
059	Peace River South	84	1.52	*	15	10.73	1.40		0.78	-	2.30
060	Peace River North	81	1.47	*	11	10.52	1.05		0.52	-	1.87
061	Greater Victoria	641	1.15	*	156	103.14	1.51	*	1.28	-	1.77
062	Sooke	141	1.10		27	26.34	1.02		0.68	-	1.49
063	Saanich	139	0.70	*	29	37.80	0.77		0.51	-	1.10
064	Gulf Islands	51	1.01		16	9.95	1.61		0.92	-	2.61
065	Cowichan	167	1.18	*	38	27.62	1.38		0.97	-	1.89
066	Lake Cowichan	22	1.36		2	3.21	0.62		0.07	-	2.25
067	Ladysmith	70	1.33	*	18	10.39	1.73	*	1.03	-	2.74
068	Nanaimo	279	1.09		78	50.16	1.56	*	1.23	-	1.94
069	Qualicum	131	0.87		27	30.92	0.87		0.58	-	1.27
070	Alberni	153	1.91	*	34	15.51	2.19	*	1.52	-	3.06
071	Courtenay	221	1.37	*	46	32.90	1.40	*	1.02	-	1.87
072	Campbell River	147	1.51	*	27	19.57	1.38		0.91	-	2.01
075	Mission	89	1.06		13	16.26	0.80		0.43	-	1.37
076	Agassiz - Harrison	24	1.03		2	4.54	0.44		0.05	-	1.59
077	Summerland	11	0.29	*	9	7.02	1.28		0.59	-	2.43
078	Enderby	28	1.35		7	4.06	1.72		0.69	-	3.55
080	Kitimat	28	1.18		8	4.50	1.78		0.76	-	3.50
081	Fort Nelson	15	1.59		2	1.80	1.11		0.12	-	4.01
083	Central Coast	23	8.16	*	3	0.53	5.71	*	1.15	-	16.70
084	Vancouver Island West	7	1.18		4	1.10	3.63		0.98	-	9.30
085	Vancouver Island North	75	2.82	*	20	5.14	3.89	*	2.38	-	6.01
087	Stikine	6	2.40		1	0.48	2.08		0.03	-	11.59
088	Terrace	73	1.74	*	18	8.18	2.20	*	1.30	-	3.48
092	Nisga'a	17	4.62	*	2	0.72	2.80		0.31	-	10.09
094	Telegraph Creek	5	3.99	*	1	0.21	4.81		0.06	-	26.74
161	Vancouver - City Centre	214	0.93		29	44.11	0.66	*	0.44	-	0.94
162	Vancouver - Downtown E.side	358	2.52	*	55	27.88	1.97	*	1.49	-	2.57
163	Vancouver - North East	128	0.57	*	25	43.62	0.57	*	0.37	-	0.85
164	Vancouver - Westside	125	0.44	*	25	53.02	0.47	*	0.31	-	0.70
165	Vancouver - Midtown	156	0.88		19	33.31	0.57	*	0.34	-	0.89
166	Vancouver - South	153	0.51	*	27	57.79	0.47	*	0.31	-	0.68
201	Surrey	555	0.83	*	111	132.41	0.84		0.69	-	1.01
202	South Surrey/White Rock	134	0.57	*	26	44.75	0.58	*	0.38	-	0.85
	PROVINCIAL TOTAL	10,019	1.00		1,947	1,947.00	1.00		0.96	-	1.05

Notes for this table follow the map.

FIGURE 44

ALCOHOL-RELATED DEATHS BY LOCAL HEALTH AREA

British Columbia, 2003-2007


N
QUINTILE (SMR)
5 (>1.95)
4 (1.44-1.95)
3 (1.18-1.44)
3 (1.00-1.18)
1 (<1.00)
Statistically Significant
0 100 200 300 kms
see inset 1
Inset 2
0
see inset 2
Inset 1
0 50 kms

Notes to Table 41

*Statistical testing indicates that observed deaths are significantly different from the expected deaths (p<0.05, two tailed).

+Denotes significance based on less than five deaths. Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

Note: Refer to Figure 1 to clarify geographical location of LHAs.

Smoking-Attributable Deaths

Table 42 and Figure 45 portray the number and percent of deaths in 2008 that were attributable to smoking for those aged 35 years and older. The age restriction relates to the fact that smoking-attributable conditions generally become apparent over time and after several years of tobacco use. Because the decedent's smoking history is usually not available on the death record, the link between smoking and mortality is estimated indirectly. Research-derived proportions of deaths from certain diseases (like lung cancer) that are due to smoking are used to estimate the number of smoking-attributable deaths due to those diseases. See the *Glossary* entry on *Smoking-Attributable Mortality (SAM)* for details and the *Methodology* section for the calculation formulae for these indicators.

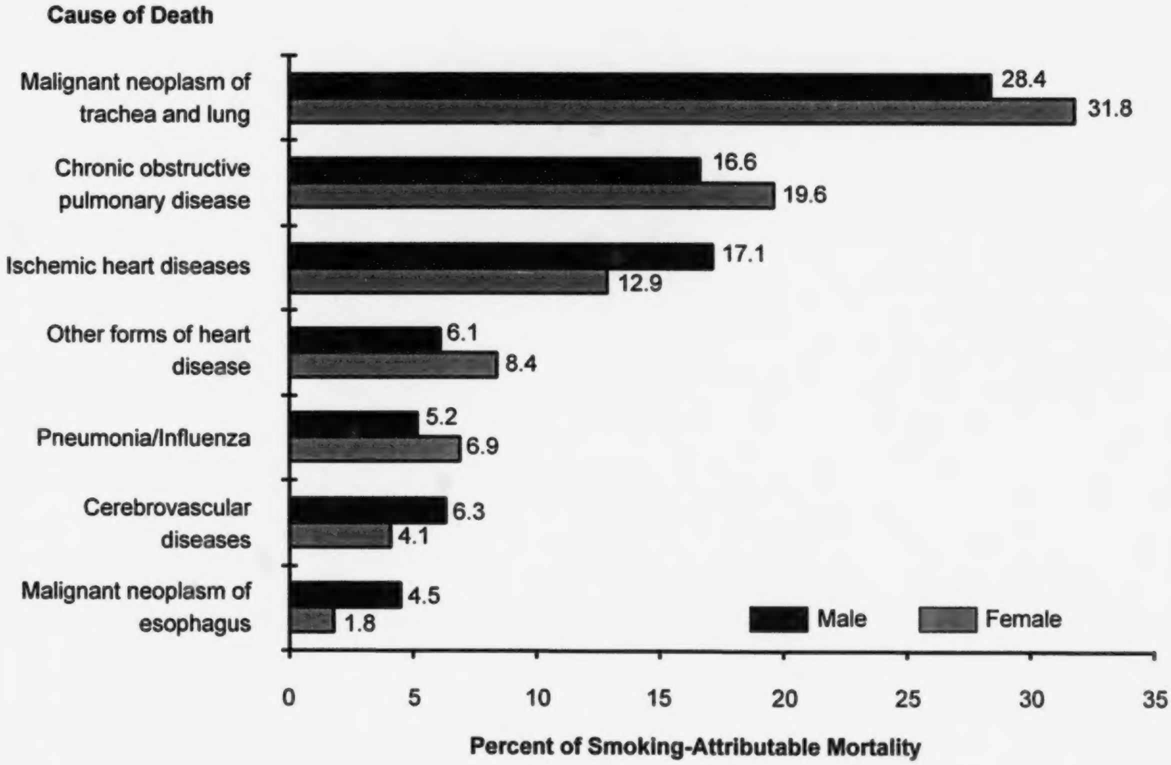
Figure 45 shows the smoking-attributable portion of each of seven cause-of-death categories selected according to highest SAM number from Table 42.

Table 42 shows the number of deaths by causes and the percentage and number of those deaths that are attributed to smoking. Also shown is percentage total SAM by cause category.

In 2008, there were 6,367 deaths attributed to smoking as shown in Table 42. By far the largest disease category was *Malignant Neoplasms of Trachea and Lung* (29.7 percent) followed by *Chronic Obstructive Pulmonary Disease* (17.8 percent) and *Ischemic Heart Disease* (15.5 percent).

FIGURE 45

SMOKING-ATTRIBUTABLE MORTALITY
BY SELECTED CAUSES AND GENDER
BRITISH COLUMBIA, 2008



Note: Ischemic heart disease includes 35-64 years and 65+ years.
Cerebrovascular disease includes 35-64 years and 65+ years.

TABLE 42
SMOKING-ATTRIBUTABLE MORTALITY
BRITISH COLUMBIA, 2008

		Male				Female				Total		
				SAM				SAM			SAM	
Cause of Death	ICD-10 Code(s)	Deaths	SAM (%)	Number	Percent	Deaths	SAM (%)	Number	Percent	Deaths	Number	Percent
Malignant Neoplasms												
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14	119	91.2	109	2.8	48	59.9	29	1.1	167	137	2.2
Malignant neoplasm of esophagus	C15	220	78.2	172	4.5	66	71.0	47	1.8	286	219	3.4
Malignant neoplasm of pancreas	C25	236	21.7	51	1.3	250	33.9	85	3.3	486	136	2.1
Malignant neoplasm of larynx	C32	43	79.7	34	0.9	6	87.2	5	0.2	49	40	0.6
Malignant neoplasm of trachea and lung	C33-C34	1,216	89.3	1,086	28.4	1,054	76.5	806	31.8	2,270	1,892	29.7
Malignant neoplasms of cervix, uterus	C53-C55	-	-	-	-	122	33.9	41	1.6	122	41	0.6
Malignant neoplasm of bladder	C67	203	44.8	91	2.4	71	37.6	27	1.1	274	118	1.8
Malignant neoplasm of kidney and other unspecified urinary organs	C64-C66, C68	151	46.8	71	1.8	75	12.4	9	0.4	226	80	1.3
SUBTOTAL		**2,188**		**1,614**	**42.2**	**1,692**		**1,049**	**41.3**	**3,880**	**2,663**	**41.8**
Circulatory System Diseases												
Hypertension	I10-I13	129	24.6	32	0.8	206	16.4	34	1.3	335	66	1.0
Ischemic heart diseases :	I20-I25											
35-64 years		538	43.2	232	6.1	125	36.5	46	1.8	663	278	4.4
65+ years		2,009	21.1	424	11.1	1,939	14.6	283	11.1	3,948	707	11.1
Other forms of heart disease	I01-I09, I27 I30-I52	881	26.5	233	6.1	1,096	19.4	213	8.4	1,977	446	7.0
Cerebrovascular diseases :	I60-I69											
35-64 years		80	44.8	36	0.9	76	49.3	37	1.5	156	73	1.2
65+ years		872	23.4	204	5.3	1,377	4.8	66	2.6	2,249	270	4.2
Atherosclerosis	I70	40	55.5	22	0.6	42	31.7	13	0.5	82	36	0.6
Aortic aneurysm	I71	143	55.5	79	2.1	100	31.7	32	1.2	243	111	1.7
Other arterial diseases	I26, I28, I72-I78	115	55.5	64	1.7	111	31.7	35	1.4	226	99	1.6
SUBTOTAL		**4,807**		**1,327**	**34.7**	**5,072**		**759**	**29.9**	**9,879**	**2,086**	**32.8**
Respiratory System Diseases												
Pneumonia/Influenza	J09-J181, J188, J189	607	32.7	198	5.2	671	26.3	176	6.9	1,278	375	5.9
Bronchitis, emphysema	J40-J43	53	84.7	45	1.2	57	79.2	45	1.8	110	90	1.4
Chronic obstructive pulmonary disease	J44	749	84.7	634	16.6	629	79.2	498	19.6	1,378	1,133	17.8
Other respiratory diseases	A15-A19, J45-J46	30	32.7	10	0.3	44	26.3	12	0.5	74	21	0.3
SUBTOTAL		**1,439**		**888**	**23.2**	**1,401**		**731**	**28.8**	**2,840**	**1,619**	**25.4**
TOTAL		**8,434**		**3,828**	**100.0**	**8,165**		**2,540**	**100.0**	**16,599**	**6,367**	**100.0**

Note: Deaths are the total number of deaths aged 35+ years or as specified in the diagnostic category.
SAM – Smoking-Attributable Mortality, derived by multiplying the SAM(%) by the number of deaths in each category.
See glossary under Smoking-Attributable Mortality Percent for a definition of the formula for SAM(%).
Total SAM Number may not add up to the sum of Male SAM Number and Female SAM Number due to rounding.
Non-residents are excluded.
The output from ICD-10 mortality coding and underlying cause of death selection was modified in BC to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.

Drug-Induced Deaths

Drug-induced deaths are all deaths directly due to drug use, including use of illicit, prescribed, and over-the-counter drugs. This category excludes causes indirectly related to drug use and also excludes those deaths due to alcohol or smoking. See Table 44 for a list of the drug induced death categories.

Table 43 shows that more males (183) died of drug-induced causes than females (124). 264 of the drug-induced deaths (86.0 percent) were among individuals aged 25 to 64 years. Almost half of drug-induced deaths (146) were in the 45 to 64 year age-group.

Table 44 presents drug-induced deaths by cause for 2003-2007 and 2008. About two-thirds of drug-induced deaths in 2008 (68.4 percent) and in the previous five years (66.5 percent) were the result of unintentional poisoning by drugs. Of the 421 suicide deaths in BC in 2008, 16.2 percent were drug-induced.

Figure 46 is a graphic presentation of the results from Table 44. In 2008, almost all drug induced deaths were unintentional poisoning or suicide.

Table 45 shows the number of observed and expected drug-induced deaths and the ratio of observed to expected deaths (SMR) in each LHA in 2008 and in the previous five years. Twenty-eight LHAs had no drug-induced deaths in 2008 and seven had no drug-induced deaths in 2003-2007. Vancouver's City Center and Greater Victoria were the only LHAs where the observed numbers were more than 5 and statistically significantly higher than the expected numbers in 2008 as well as the previous five years.

Figure 47 maps the variation of SMRs in the LHAs divided into quintiles for 2003-2007.

TABLE 43
DRUG–INDUCED DEATHS BY AGE AND GENDER
BRITISH COLUMBIA, 2008

Age	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
<15	-	-	-	-	-	-
15-19	2	1.1	3	2.4	5	1.6
20-24	4	2.2	7	5.6	11	3.6
25-44	86	47.0	32	25.8	118	38.4
45-64	76	41.5	70	56.5	146	47.6
65-84	15	8.2	8	6.5	23	7.5
85+	-	-	4	3.2	4	1.3
TOTAL	**183**	**100.0**	**124**	**100.0**	**307**	**100.0**

Note: Excludes tobacco and alcohol

Drug-induced deaths – see Table 44 for ICD-10 codes and Glossary for more details.
Total percentage may not add up to 100 due to rounding.
Non-residents are excluded.

TABLE 44
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 2003–2007 AND 2008

		Year of Death			
		2003–2007		2008	
Cause of Death	ICD-10 Code(s)	Number	Percent	Number	Percent
Psychoactive substance and drug use/abuse	F11-F16, F19	131	6.2	18	5.9
Accidental poisoning by drugs	X40-X44	1,395	66.5	210	68.4
Suicide by drugs	X60-X64	479	22.8	68	22.1
Assault by drugs and medicaments	X85	3	0.1	-	-
Poisoning by drugs and medicaments undetermined if accidental or intentional	Y10-Y14	66	3.1	9	2.9
Adverse effects of drugs and medicaments	Y40-Y574, Y577-Y579, Y598, Y880	22	1.0	2	0.7
Other drug causes*		1	-	-	-
TOTAL		**2,097**	**100.0**	**307**	**100.0**

Note: Excludes tobacco and alcohol. Total percentage may not add to 100 due to rounding. Non-residents are excluded.
*ICD-10 codes D521, D590, D592, D611, D642, E032, E064, E231, E242, E273, F55, F551, G210, G211, G240, G251, G254, G256, G444, G620, G720, H263, I427, I952, J702, J703, J704, L105, L233, L244, L251, L270, L271, L432, L560, L561, L640, M022, M102, M320, M804, M814, M835, M871, N140, N141, N142, O355, P040, P041, P044, P584, P961, P962, R781, R782, R783, R784, R785, R786, R825.

FIGURE 46
DRUG-INDUCED DEATHS BY CAUSE
BRITISH COLUMBIA, 2008

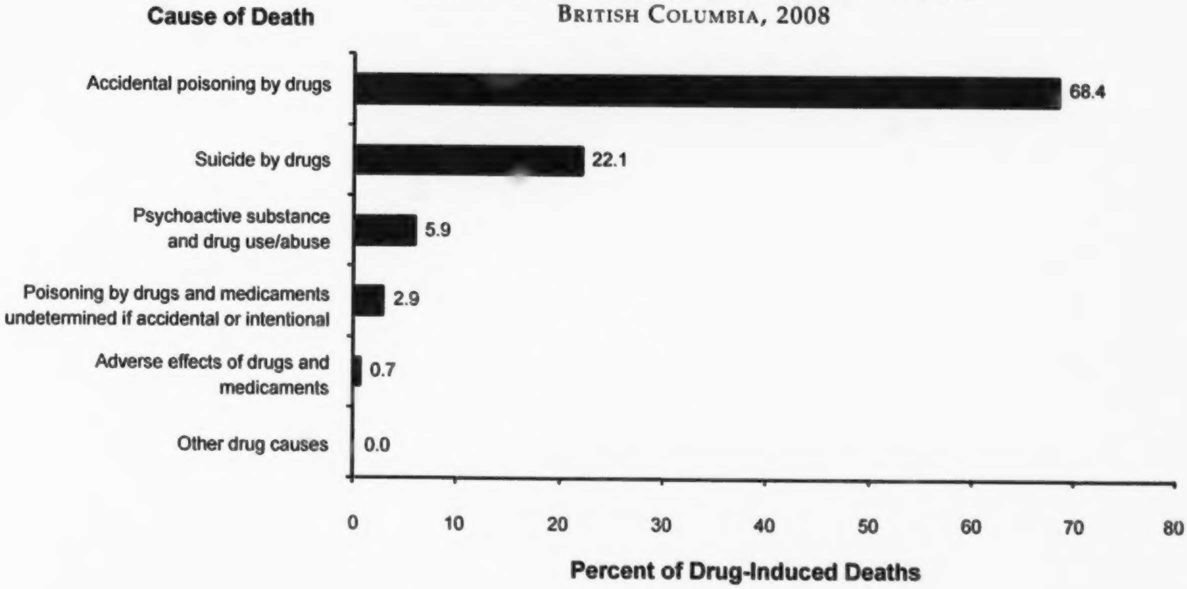


Table 45

STANDARDIZED MORTALITY RATIO BY LOCAL HEALTH AREA DRUG-INDUCED DEATHS,

BRITISH COLUMBIA, 2003–2007 AND 2008

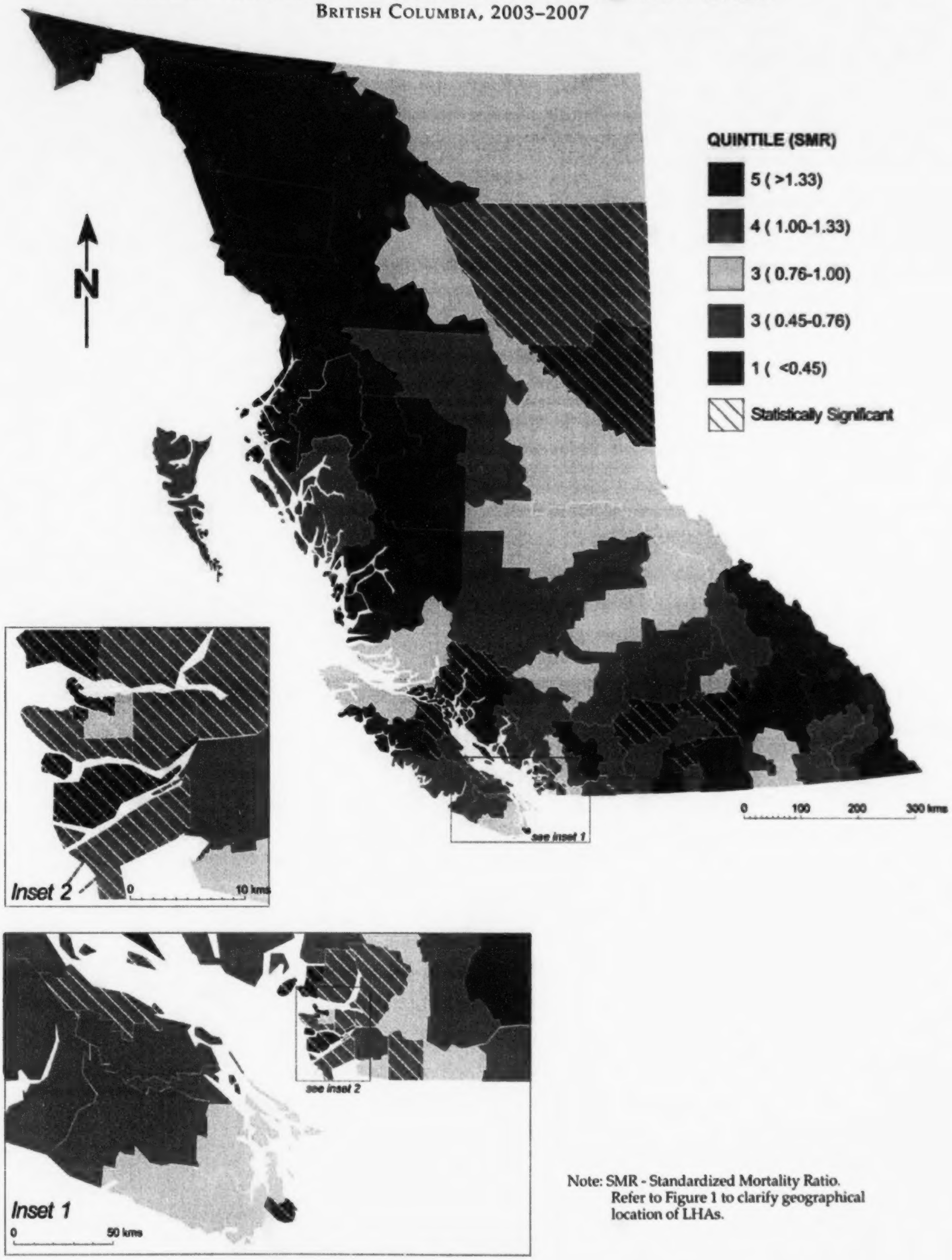
		2003–2007			2008						
									95% Confidence Interval		
	Local Health Area	Observed Deaths	SMR	(p)	Observed Deaths	Expected Deaths	SMR	(p)	Lower		Upper
001	Fernie	3	0.39		1	1.08	0.93		0.01	-	5.16
002	Cranbrook	13	1.09		1	1.75	0.57		0.01	-	3.18
003	Kimberley	2	0.50		-	0.60	-		-	-	-
004	Windermere	2	0.43		2	0.77	2.61		0.29	-	9.44
005	Creston	3	0.57		-	0.82	-		-	-	-
006	Kootenay Lake	3	1.63		-	0.26	-		-	-	-
007	Nelson	12	0.98		2	1.78	1.12		0.13	-	4.06
009	Castlegar	8	1.26		-	0.94	-		-	-	-
010	Arrow Lakes	4	1.71		-	0.34	-		-	-	-
011	Trail	9	0.95		2	1.38	1.45		0.16	-	5.22
012	Grand Forks	1	0.24		-	0.61	-		-	-	-
013	Kettle Valley	-	-		-	0.26	-		-	-	-
014	Southern Okanagan	6	0.72		1	1.31	0.76		0.01	-	4.24
015	Penticton	30	1.63	*	4	2.77	1.44		0.39	-	3.69
016	Keremeos	3	1.35		-	0.39	-		-	-	-
017	Princeton	3	1.27		1	0.34	2.95		0.04	-	16.39
018	Golden	1	0.27		-	0.54	-		-	-	-
019	Revelstoke	2	0.49		-	0.57	-		-	-	-
020	Salmon Arm	20	1.33		4	2.40	1.66		0.45	-	4.26
021	Armstrong - Spallumcheen	3	0.67		-	0.64	-		-	-	-
022	Vernon	50	1.72	*	1	4.44	0.23		0.00	-	1.25
023	Central Okanagan	95	1.20		8	12.39	0.65		0.28	-	1.27
024	Kamloops	57	1.11		13	7.66	1.70		0.90	-	2.90
025	100 Mile House	7	0.98		2	1.05	1.90		0.21	-	6.86
026	North Thompson	2	0.92		-	0.30	-		-	-	-
027	Cariboo - Chilcotin	15	1.15		4	1.86	2.16		0.58	-	5.52
028	Quesnel	9	0.79		-	1.61	-		-	-	-
029	Lillooet	2	0.94		2	0.30	6.62		0.74	-	23.89
030	South Cariboo	2	0.58		3	0.50	6.05	+	1.22	-	17.69
031	Merritt	11	2.02	*	2	0.79	2.52		0.28	-	9.10
032	Hope	5	1.30		2	0.56	3.58		0.40	-	12.93
033	Chilliwack	43	1.21		11	5.36	2.05	*	1.02	-	3.67
034	Abbotsford	57	0.95		9	8.70	1.03		0.47	-	1.96
035	Langley	40	0.68	*	7	8.71	0.80		0.32	-	1.66
037	Delta	35	0.71	*	3	6.92	0.43		0.09	-	1.27
038	Richmond	32	0.35	*	6	13.51	0.44	*	0.16	-	0.97
040	New Westminster	51	1.56	*	8	4.78	1.67		0.72	-	3.30
041	Burnaby	72	0.67	*	13	15.47	0.84		0.45	-	1.44
042	Maple Ridge	36	0.84		4	6.40	0.63		0.17	-	1.60
043	Coquitlam	67	0.64	*	5	15.06	0.33	*	0.11	-	0.77
044	North Vancouver	46	0.68	*	6	9.72	0.62		0.23	-	1.34
045	West Vancouver-Bowen Is.	6	0.26	*	2	3.43	0.58		0.07	-	2.10
046	Sunshine Coast	10	0.75		1	2.10	0.48		0.01	-	2.65
047	Powell River	13	1.37		5	1.40	3.58	*	1.15	-	8.34
048	Howe Sound	10	0.59		1	2.44	0.41		0.01	-	2.28
049	Bella Coola Valley	2	1.34		-	0.19	-		-	-	-
050	Queen Charlotte	3	1.22		1	0.34	2.93		0.04	-	16.31
051	Snow Country	-	-		-	0.04	-		-	-	-
052	Prince Rupert	11	1.52		-	0.97	-		-	-	-
053	Upper Skeena	1	0.39		-	0.35	-		-	-	-
054	Smithers	3	0.38		2	1.07	1.87		0.21	-	6.74
055	Burns Lake	-	-		-	0.51	-		-	-	-
056	Nechako	4	0.54		3	0.99	3.04		0.61	-	8.87
057	Prince George	43	0.89		11	6.69	1.65		0.82	-	2.94
059	Peace River South	5	0.40	*	2	1.83	1.09		0.12	-	3.94
060	Peace River North	7	0.46	*	1	2.17	0.46		0.01	-	2.56
061	Greater Victoria	166	1.53	*	26	15.52	1.67	*	1.09	-	2.45
062	Sooke	28	0.92		3	4.73	0.63		0.13	-	1.85
063	Saanich	26	0.88		3	4.36	0.69		0.14	-	2.01
064	Gulf Islands	7	0.99		3	1.10	2.72		0.55	-	7.94
065	Cowichan	24	0.93		1	3.82	0.26		0.00	-	1.46
066	Lake Cowichan	3	1.00		-	0.44	-		-	-	-
067	Ladysmith	5	0.61		1	1.29	0.77		0.01	-	4.31
068	Nanaimo	48	1.02		6	7.04	0.85		0.31	-	1.86
069	Qualicum	10	0.52	*	-	3.15	-		-	-	-
070	Alberni	19	1.26		-	2.15	-		-	-	-
071	Courtenay	29	1.01		4	4.45	0.90		0.24	-	2.30
072	Campbell River	31	1.55	*	3	2.92	1.03		0.21	-	3.00
075	Mission	22	1.12		4	2.88	1.39		0.37	-	3.55
076	Agassiz - Harrison	6	1.46		-	0.60	-		-	-	-
077	Summerland	1	0.19		1	0.78	1.27		0.02	-	7.09
078	Enderby	3	0.87		1	0.53	1.88		0.02	-	10.45
080	Kitimat	3	0.54		1	0.74	1.35		0.02	-	7.52
081	Fort Nelson	3	0.92		-	0.45	-		-	-	-
083	Central Coast	-	-		-	0.10	-		-	-	-
084	Vancouver Island West	-	-		-	0.17	-		-	-	-
085	Vancouver Island North	5	0.78		6	0.85	7.03	*	2.57	-	15.29
087	Stikine	-	-		-	0.07	-		-	-	-
088	Terrace	4	0.41		3	1.36	2.20		0.44	-	6.43
092	Nisga'a	2	2.17		-	0.12	-		-	-	-
094	Telegraph Creek	-	-		-	0.04	-		-	-	-
161	Vancouver - City Centre	94	1.42	*	11	9.35	1.18		0.59	-	2.11
162	Vancouver - Downtown E.side	189	5.60	*	24	5.08	4.72	*	3.02	-	7.02
163	Vancouver - North East	44	0.87		4	7.25	0.55		0.15	-	1.41
164	Vancouver - Westside	38	0.58	*	5	9.25	0.54		0.17	-	1.26
165	Vancouver - Midtown	42	0.93		5	6.25	0.80		0.26	-	1.87
166	Vancouver - South	35	0.54	*	5	9.25	0.54		0.17	-	1.26
201	Surrey	183	1.08		28	25.03	1.12		0.74	-	1.62
202	South Surrey/White Rock	30	0.81		2	5.66	0.35		0.04	-	1.28
	PROVINCIAL TOTAL	**2,097**	**1.00**		**307**	**307.00**	**1.00**		**0.89**	-	**1.12**

Note: *Statistical testing indicates that observed deaths are significantly different from the expected deaths ($p<0.05$, two tailed). +Denotes significance based on less than five deaths. SMR - Standardized Mortality Ratio. Total includes residents with unknown LHA.

FIGURE 47

DRUG-INDUCED DEATHS BY LOCAL HEALTH AREA

British Columbia, 2003–2007


QUINTILE (SMR)
5 (>1.33)
4 (1.00-1.33)
3 (0.76-1.00)
3 (0.45-0.76)
1 (<0.45)
Statistically Significant
N
0
100
200
300 kms
see inset 1
Inset 2
0
10 kms
see inset 2
Inset 1
0
50 kms

Note: SMR - Standardized Mortality Ratio.
Refer to Figure 1 to clarify geographical location of LHAs.

Drug Overdose Deaths

This section provides information on deaths due to unintentional poisoning by illicit/illegal drugs. These deaths are a small portion of deaths due to unintentional poisoning by drugs, and exclude accidental poisoning by drugs in therapeutic use.

Data on unintentional illicit/illegal drug deaths are retrieved from the Coroners' Medical Certificate of Death. This section only considers deaths where an overdose occurred and was determined to be the underlying cause of death. Deaths due to conditions that may arise from substance abuse, such as Hepatitis 'B' and 'C' and HIV, are excluded from consideration.

Among the substances implicated in these overdoses, there are those generally referred to as "illicit drugs" – heroin, cocaine, and "psychostimulants with abuse potential" including "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxy-methamphetamine). A more precise term for these chemicals might be "illegal" drugs as there is no medically recognized, legal use for either "ecstasy" or "crystal meth". Although both heroin and cocaine have very limited therapeutic uses, in circumstances where a fatal overdose has occurred it is almost certain that these drugs would have been obtained via illegal means.

On the other hand, where morphine is implicated, it is possible that some of the deaths involved legally obtained drugs because morphine is prescribed for chronic and/or severe pain (such as that associated with advanced cancer) and if taken improperly could result in an unintentional overdose. Unfortunately it is not always possible to differentiate whether an opiate overdose was caused by heroin or morphine, as the information received on the coroners' final reports does not consistently differentiate. Often coroners record "morphine type" overdose, hence the label "heroin/morphine type".

Although methadone is often used legally in the treatment of opiate addiction, a number of deaths are occurring as the result of unintentional methadone overdoses. Therefore it would appear that methadone is being used in unsanctioned ways resulting in death.

Table 46 shows that deaths due to unintentional overdoses are not confined to any one area in the province. ASMRs for 2008 at the time of reporting appear to have declined in all areas. However, as with other externally caused deaths, reporting is often delayed due to the time required for coroners to complete and report their findings to the Agency. Therefore these results should be viewed with caution.

Table 47 and Figure 48 depict a general decline in drug overdose fatalities. The ASMR has been consistently much higher for males than for females.

TABLE 46

ASMR FOR UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY HEALTH AUTHORITY

BRITISH COLUMBIA, 2002–2008

Health Authority	2002	2003	2004	2005	2006	2007	2008
01 Interior	**0.74**	**0.78**	**0.73**	**0.71**	**0.53**	**0.66**	**0.40**
02 Fraser	0.38	0.43	0.41	0.58	0.68	0.43	0.35
03 Vancouver Coastal	**0.52**	**0.49**	**0.58**	**0.63**	**0.61**	**0.51**	**0.37**
04 Vancouver Island	0.79	0.71	0.75	0.64	0.73	0.59	0.46
05 Northern	**0.32**	**0.43**	**0.40**	**0.37**	**0.18**	**0.47**	**0.29**
PROVINCIAL TOTAL	**0.52**	**0.54**	**0.55**	**0.60**	**0.61**	**0.51**	**0.38**

Note: Deaths that were still under investigation may later be identified as unintentional illicit/illegal.
ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

TABLE 47

ASMR FOR UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY GENDER

BRITISH COLUMBIA, 2002–2008

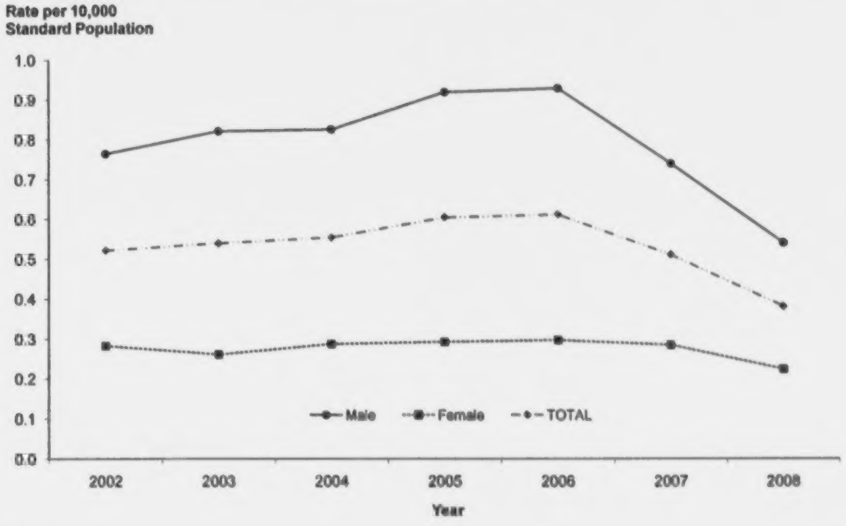
Gender	2002	2003	2004	2005	2006	2007	2008
Male	**0.76**	**0.82**	**0.83**	**0.92**	**0.93**	**0.74**	**0.54**
Female	0.28	0.26	0.29	0.29	0.30	0.28	0.22
TOTAL	**0.52**	**0.54**	**0.55**	**0.60**	**0.61**	**0.51**	**0.38**

Note: Deaths that were still under investigation may later be identified as unintentional illicit/illegal overdose deaths.
ASMR - Age Standardized Mortality Rate per 10,000 standard population (Canada 1991 Census).
Non-residents are excluded.

FIGURE 48

ASMR FOR UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY GENDER

BRITISH COLUMBIA, 2002-2008



See Table 47 for notes.

Vital Statistics Information Box

UNINTENTIONAL ILLICIT/ILLEGAL DRUG DEATHS
BRITISH COLUMBIA, 2000-2008

In 1993, British Columbia experienced an unprecedented "high water" mark in unintentional drug overdoses. In that year, 470 people died as the result of unintentional poisoning by drugs. Over 300 of these were determined to be the result of illicit drug use. These included heroin and other opiates, methadone and cocaine, used alone or in various combinations or with a variety of other substances being used illicitly.

This information box provides a code-based analysis of deaths due to unintentional illicit drug overdoses in British Columbia since 2000. It is important to note that numbers for 2008 (and to a certain extent previous years) may be revised upwards as final reports from investigating coroners are submitted to the Agency for processing. This analysis includes deaths where unintentional drug overdose was determined to be the "underlying cause of death" (see Glossary for the definition of this term), and where the offending substances included selected "narcotics and psychodsleptics" - heroin, morphine, methadone, and cocaine - and "psychostimulants with abuse potential", specifically so-called "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxymethamphetamine). "Mixed drug overdoses" included at least one of the above substances, as well as any other drug. A seperate total for deaths in which mixed narcotics such as heroin with cocaine were implicated is also included, because multiple narcotic substances are used in combination relatively frequently.

COUNTS OF DEATHS BY CAUSATIVE SUBSTANCES

Over the past nine years, deaths involving single heroin/morphine type drug use appear to be declining slightly. On the other hand, deaths where cocaine was the only substance implicated appear to be on the increase, along with deaths from combined narcotics.

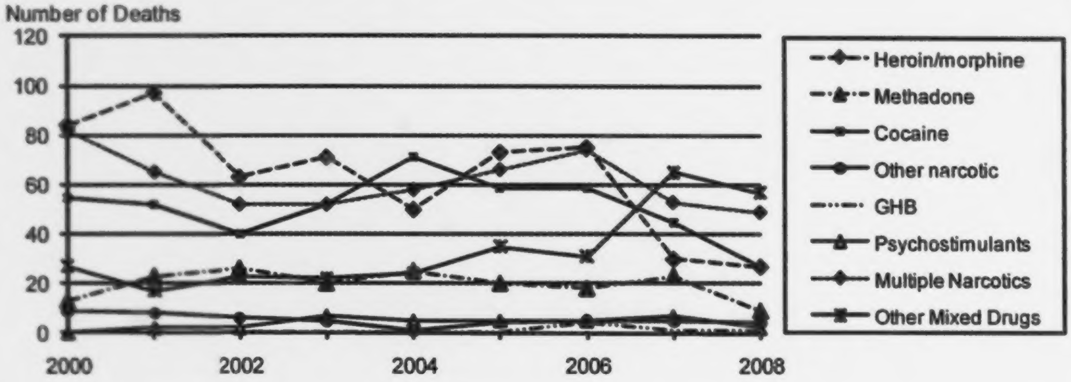
Deaths from the combined use of illicit drugs with other drugs (other than narcotics) have risen sharply in 2007 and remain the leading cause of illicit drug overdose in 2008.

The use of psychostimulants is a relatively new phenomenon. Its place as the direct cause of unintentional overdose does not appear to be rising. It is interesting to note that methadone, a substance used in the treatment of heroin addiction, is apparently being used illicitly and causing overdose deaths in and of itself.

Vital Statistics Information Box

UNINTENTIONAL ILLICIT/ILLEGAL OVERDOSE DEATHS BY TYPE OF DRUG

BRITISH COLUMBIA, 2000-2008



OVERDOSE DEATHS BY TYPE OF DRUG

BRITISH COLUMBIA, 2000-2008

Drug	2000	2001	2002	2003	2004	2005	2006	2007	2008
Heroin/morphine type only	84	97	63	71	50	73	75	30	27
Methadone only	13	23	26	20	25	20	18	23	9
Cocaine only	55	52	40	52	71	59	59	45	27
Other narcotic/ hallucinongen only	9	8	6	5	1	4	5	5	4
GHB only	0	0	0	0	0	0	4	1	1
Physchostimulants* only	0	2	2	7	5	5	5	7	2
Multiple narcotics	82	65	52	52	58	66	74	53	49
Other mixed drugs	27	17	23	22	24	35	31	65	57
TOTAL	**270**	**264**	**212**	**229**	**234**	**262**	**271**	**229**	**176**

Note: Deaths that were still under investigation may later be identified as unintentional illicit/illegal overdose deaths.
*ICD-10 codes for psychostimulants include "crystal meth" and "ecstasy".
Unintentional illicit/illegal drug overdose deaths (X41, X42, X44) include these specified drug injury categories:

1) T40.0, T40.1, or T40.2 for heroin/morphine type.
2) T40.3 for methadone.
3) T40.5 for cocaine.
4) T40.4, T40.6, T40.9 for other narcotic/hallucinogen.
5) T41.2 for gamma hydroxybutyrate (GHB).
6) T43.6 for psychostimulant*.

Multiple Narcotic deaths involve mixed drugs from categories 1 - 4 only.
Other Mixed Drug deaths include one illicit drug from categories 1 - 6 (T40.0-T40.9, T41.2, T43.6) and one or more other drugs (T36.0-T48.6, T52.8, T53.9) and are not multiple narcotic deaths.
Non-residents are excluded.

Accidental Falls Deaths

In 2008, there were 1,546 deaths due to external causes among BC residents and of these, unintentional (accidental) deaths comprised over 69.5 percent (1,074) of non-natural deaths. Overall, falls were the leading cause of unintentional death, contributing 33.5 percent to this category in 2008 and exceeding fatal motor-vehicle incidents in number (360 vs. 225), see Table 30.

Analysis of various causes of unintentional (accidental) mortality in 2008 shows that more females died as the result of a fall than males did. Of unintentional mortality, 25.7 percent of male deaths were the result of falls. In contrast, 46.6 percent of female unintentional mortality was the result of falls.

While fatal falls occur across the lifespan of British Columbians, the elderly are far more likely to succumb to the effects of a fall.

The data discussed so far only include events where the fall was determined to be the underlying cause of death. There are additional deaths that involve accidental falls, but where the fall was considered to be only a contributing factor.

Table 48 and Figure 49 show how age specific rates compare between the 2 categories (direct and indirect) of fall-related deaths in BC for individuals aged 60 and older. Indirect falls-related deaths are more frequent among the over-eighty age group than direct falls deaths however, in the 60-69 and 70-79 age groups, direct falls deaths are more frequent.

The BC Injury Research and Prevention Unit (BCIRPU) is a national leader in falls injury research and in the design and implementation of falls prevention strategies. A summary of the initiatives undertaken by the BCIRPU can be viewed at the Unit's website: http://www.injuryresearch.bc.ca/index.aspx go to "Falls Prevention" in the "Injury Topics" menu.

TABLE 48

DEATHS DIRECTLY AND INDIRECTLY DUE TO FALLS BY AGE

BRITISH COLUMBIA, 2002–2008

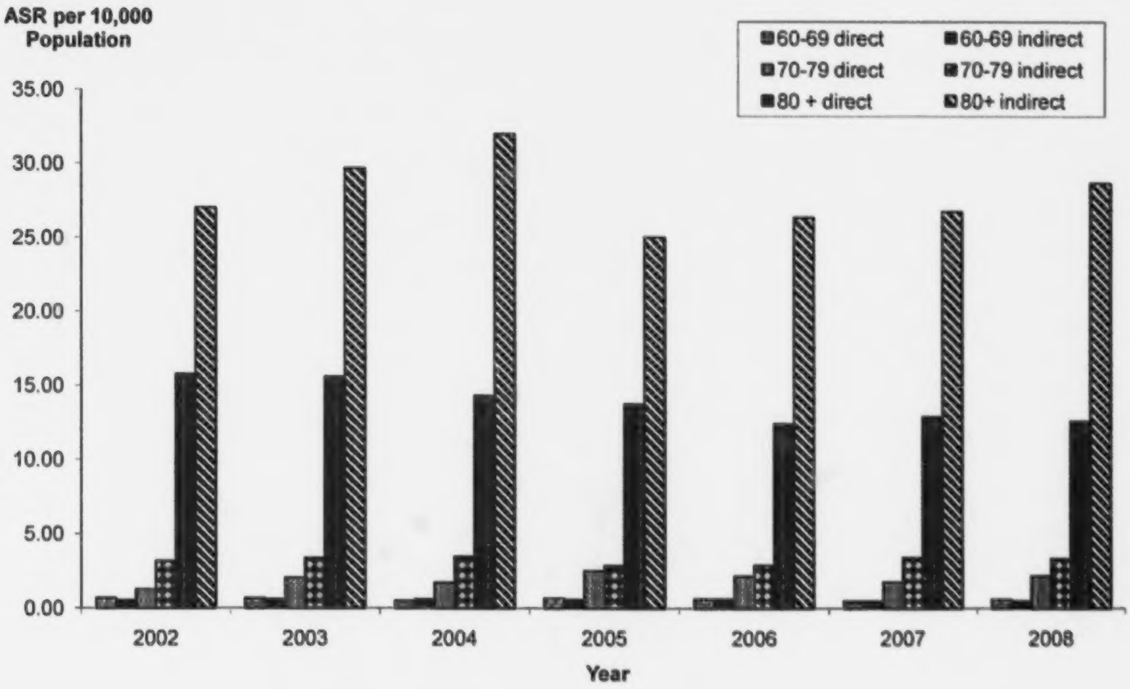
Cause of Death	Age (inYears)	2002		2003		2004		2005		2006		2007		2008	
		Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR	Counts	ASR
Directly due to falls															
	60-69	23	0.69	23	0.67	18	0.50	24	0.65	25	0.64	20	0.48	26	0.60
	70-79	32	1.26	52	2.03	44	1.71	65	2.50	57	2.16	47	1.76	59	2.17
	80+	224	15.75	231	15.54	221	14.27	220	13.71	206	12.39	222	12.88	224	12.57
Indirectly due to falls															
	60-69	18	0.54	20	0.58	21	0.59	21	0.56	24	0.62	20	0.48	21	0.48
	70-79	80	3.16	86	3.36	89	3.45	74	2.84	76	2.88	91	3.40	90	3.31
	80+	384	27.00	441	29.67	495	31.97	401	24.99	438	26.34	461	26.75	511	28.68

Note: ASR - Age Specific Rate per 10,000 population.

FIGURE 49

DEATHS DIRECTLY AND INDIRECTLY DUE TO FALLS, AGES 60-80+

BRITISH COLUMBIA, 2002-2008



Burials and Cremations

Table 49 shows the method used to dispose of decedents' remains.

In 2008, out of every 100 deaths approximately 80 resulted in cremations (25,392) and 20 involved burials (6,309).

Since 1985, the percentage of burials has consistently decreased.

TABLE 49

METHOD OF DISPOSITION OF DECEDENT

BRITISH COLUMBIA, 1986–2008

Year	Burial		Cremation		Other	N.S.	Total
	Number	Percent	Number	Percent			
1986	8,204	39.0	12,686	60.4	98	21	21,009
1987	8,211	38.0	13,279	61.4	104	24	21,618
1988	8,319	37.2	13,926	62.3	96	16	22,357
1989	8,061	35.4	14,616	64.1	81	28	22,786
1990	8,208	35.1	15,088	64.4	91	29	23,416
1991	8,035	33.7	15,675	65.8	75	35	23,820
1992	7,818	32.0	16,512	67.5	97	36	24,463
1993	7,989	31.2	17,214	67.2	151	251	25,605
1994	7,712	29.9	17,888	69.2	177	55	25,832
1995	7,615	29.0	18,361	70.0	185	63	26,224
1996	7,640	27.9	19,545	71.4	194	12	27,391
1997	7,359	27.0	19,651	72.1	207	46	27,263
1998	7,197	25.9	20,377	73.3	225	9	27,808
1999	7,061	25.3	20,632	74.0	197	-	27,890
2000	6,469	23.7	20,694	75.7	187	1	27,351
2001	6,685	23.7	21,330	75.5	223	1	28,239
2002	6,541	22.8	21,978	76.5	192	3	28,714
2003	6,608	22.7	22,362	76.7	186	-	29,156
2004	6,380	21.5	23,161	77.9	184	-	29,725
2005	6,281	20.9	23,631	78.5	184	-	30,096
2006	6,358	20.8	24,014	78.6	167	-	30,539
2007	6,148	19.8	24,801	79.7	168	-	31,117
2008	6,309	19.8	25,392	79.6	191	-	31,892

Note: Percent is based on total deaths in the specified year.
Other includes remains not recovered and donations as per will of deceased.
N.S. – Not stated.
Non-residents are excluded.

Vital Statistics Information Box

METHOD OF DISPOSITION BY DECEDENT'S LOCAL HEALTH AREA OF RESIDENCE

BRITISH COLUMBIA, 2008

Local Health Area		Burial		Cremation		Other	Total
		Number	Percent	Number	Percent		
001	Fernie	24	24.7	73	75.3	-	97
002	Cranbrook	42	23.0	138	75.4	3	183
003	Kimberley	8	9.4	77	90.6	-	85
004	Windermere	5	8.2	56	91.8	-	61
005	Creston	38	23.5	124	76.5	-	162
006	Kootenay Lake	3	10.3	26	89.7	-	29
007	Nelson	29	17.2	138	81.7	2	169
009	Castlegar	50	40.3	74	59.7	-	124
010	Arrow Lakes	6	11.8	45	88.2	-	51
011	Trail	27	13.0	179	86.5	1	207
012	Grand Forks	35	34.7	66	65.3	-	101
013	Kettle Valley	3	12.0	22	88.0	-	25
014	Southern Okanagan	50	18.5	220	81.5	-	270
015	Penticton	81	15.0	459	85.0	-	540
016	Keremeos	10	14.5	58	84.1	1	69
017	Princeton	7	10.8	57	87.7	1	65
018	Golden	10	23.8	32	76.2	-	42
019	Revelstoke	10	22.7	34	77.3	-	44
020	Salmon Arm	51	15.5	278	84.5	-	329
021	Armstrong-Spallumcheen	21	26.3	59	73.8	-	80
022	Vernon	114	19.0	487	81.0	-	601
023	Central Okanagan	278	18.1	1,258	81.8	2	1,538
024	Kamloops	126	14.5	733	84.3	11	870
025	100 Mile House	27	19.0	115	81.0	-	142
026	North Thompson	6	10.0	54	90.0	-	60
027	Cariboo-Chilcotin	48	24.4	149	75.6	-	197
028	Quesnel	33	16.3	170	83.7	-	203
029	Lillooet	12	26.7	33	73.3	-	45
030	South Cariboo	15	21.4	55	78.6	-	70
031	Merritt	32	22.5	110	77.5	-	142
032	Hope	18	17.5	85	82.5	-	103
033	Chilliwack	152	20.9	574	78.8	2	728
034	Abbotsford	286	29.5	678	69.9	6	970
035	Langley	155	16.2	797	83.5	3	955
037	Delta	109	16.4	553	83.0	4	666
038	Richmond	257	27.6	670	72.0	4	931
040	New Westminster	105	19.2	438	80.2	3	546
041	Burnaby	386	27.4	996	70.7	26	1,408
042	Maple Ridge	78	13.3	508	86.5	1	587
043	Coquitlam	176	18.6	764	80.9	4	944
044	North Vancouver	103	12.3	728	87.1	5	836
045	West Vancouver-Bowen Is.	76	15.9	399	83.3	4	479
046	Sunshine Coast	22	8.5	234	90.7	2	258
047	Powell River	26	13.8	158	84.0	4	188
048	Howe Sound	30	24.2	94	75.8	-	124
049	Bella Coola Valley	14	50.0	14	50.0	-	28
050	Queen Charlotte	21	61.8	13	38.2	-	34
051	Snow Country	-	-	2	100.0	-	2
052	Prince Rupert	33	28.4	83	71.6	-	116
053	Upper Skeena	13	52.0	12	48.0	-	25
054	Smithers	26	26.5	72	73.5	-	98
055	Burns Lake/Eutsuk	10	22.2	35	77.8	-	45
056	Nechako	43	38.7	68	61.3	-	111
057	Prince George	99	17.0	481	82.6	2	582
059	Peace River South	38	25.7	108	73.0	2	148
060	Peace River North	41	27.0	111	73.0	-	152
061	Greater Victoria	295	13.0	1,963	86.3	17	2,275
062	Sooke	42	11.0	339	88.7	1	382
063	Saanich	78	11.4	602	88.1	3	683
064	Gulf Islands	10	7.4	126	92.6	-	136
065	Cowichan	79	15.7	424	84.1	1	504
066	Lake Cowichan	3	6.5	43	93.5	-	46
067	Ladysmith	36	14.5	211	84.7	2	249
068	Nanaimo	93	10.0	833	89.9	1	927
069	Qualicum	48	8.8	498	90.9	2	548
070	Alberni	60	19.9	241	80.1	-	301
071	Courtenay	40	7.6	485	92.2	1	526
072	Campbell River	29	9.5	274	90.1	1	304
075	Mission	49	16.4	248	82.9	2	299
076	Agassiz-Harrison	15	21.4	54	77.1	1	70
077	Summerland	30	18.8	130	81.3	-	160
078	Enderby	15	16.5	75	82.4	1	91
080	Kitimat	24	35.8	43	64.2	-	67
081	Fort Nelson	11	47.8	12	52.2	-	23
083	Central Coast	3	50.0	3	50.0	-	6
084	Vancouver Island West	2	11.1	16	88.9	-	18
085	Vancouver Island North	26	31.0	58	69.0	-	84
087	Stikine	3	60.0	2	40.0	-	5
088	Terrace	44	29.1	107	70.9	-	151
092	Nisga'a	13	92.9	1	7.1	-	14
094	Telegraph Creek	5	100.0	-	-	-	5
161	Vancouver - City Centre	116	19.2	479	79.4	8	603
162	Vancouver - Downtown E.side	157	33.1	312	65.7	6	475
163	Vancouver - North East	296	51.8	269	47.1	6	571
164	Vancouver - Westside	175	24.8	527	74.6	4	706
165	Vancouver - Midtown	169	37.5	276	61.2	6	451
166	Vancouver - South	332	39.0	510	59.9	10	852
201	Surrey	375	20.8	1,427	79.2	-	1,802
202	South Surrey/White Rock	113	13.2	739	86.1	6	858
	PROVINCIAL TOTAL	**6,309**	**19.8**	**25,392**	**79.6**	**191**	**31,892**

Note: Total includes residents with unkown LHA.

Marriage-related Statistics

Vital Statistics Information Box

MARRIAGES BY OTHER NON CHRISTIAN DENOMINATIONS
BRITISH COLUMBIA, 2008

Table 52, Religious Representatives on Register and Marriages Performed by Religious Denomination uses religious denomination categories from Statistics Canada. In 2008, a total of 1,210 marriages in British Columbia were solemnized by representatives of Other Non Christian religions. The table below provides additional details about these marriages.

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Baha'i	114	41	61
Buddhist	28	7	20
Eckankar	17	4	6
Hindu	30	18	76
Muslim	50	29	159
Sangam	10	3	9
Scientology	9	4	5
Sikh	154	49	564
Spiritualist	84	46	301
Wiccan	15	7	9
Other*	8	0	0
Total	**519**	**208**	**1,210**

Note: *Other consists of religious denominations where the representatives performed less than 5 marriages in 2008: Unknown, Konko-Kyo, and Zoroastrian.

Marriage Introduction

The Agency records all marriages that occurred in BC. Unlike the birth and death statistics, which are based on usual residence, marriage information includes all marriages performed in the province whether the parties were residents or non-residents. The Agency does not record divorce decrees. The tables in this section contain information about marriages by previous marital status, ages of the parties involved, and type of ceremony.

In Table 50, the 22,960 marriages are categorized by the previous marital status of each partner. In 2008, for 66.3 percent (15,216) of marriages both partners were marrying for the first time, and in 17.6 percent (4,041) one of the partners was marrying for the first time. There were 2,930 marriages (12.8 percent) where both partners were previously divorced.

Table 51 shows number of marriages by ages of those marrying in 2008. There were 7,522 marriages (32.8 percent) where both parties were in their twenties and 4,080 marriages (17.8 percent) where both parties were in their thirties. There were also 390 marriages (1.7 percent) where at least one party was in their teens and 1,276 marriages (5.6 percent) where at least one of those marrying was 60 years or older.

Table 52 indicates that there were 7,616 registered religious representatives in BC but less than half of them (3,166) solemnized marriages in 2008. In total, 8,773 (38.2 percent) of all marriages in 2008, were solemnized by religious representatives.

Table 53 shows the number of marriages performed by marriage commissioners, both private and public servants, and the number of each type of commissioner with appointments in 2008.

Tables 52 and 53 show that in 2008, 61.8 percent of marriages were civil marriages performed by commissioners. Since 1988, when 42.5 percent of marriages were performed by commissioners, the share of civil marriages has risen steadily.

TABLE 50
MARRIAGES BY MARITAL STATUS
BRITISH COLUMBIA, 2008

	Single	Widowed	Divorced	N.S.
Single	15,216			
Widowed	182	202		
Divorced	3,859	571	2,930	
N.S.	-	-	-	-

Note: N.S. - Not stated.

TABLE 51
MARRIAGES BY AGE
BRITISH COLUMBIA, 2008

Age (in Years)	15–19	20–24	25–29	30–34	35–39	40–44	45–49	50–59	60+	N.S.
15-19	59									
20-24	253	1,791								
25-29	61	2,173	3,558							
30-34	11	462	2,786	1,850						
35-39	3	131	733	1,443	787					
40-44	1	41	179	444	836	417				
45-49	2	18	60	156	336	592	394			
50-59	-	6	29	84	168	345	694	781		
60+	-	-	6	12	15	57	131	515	540	
N.S.	-	-	-	-	-	-	-	-	-	-

Note: N.S. – Not stated.

TABLE 52

RELIGIOUS REPRESENTATIVES ON REGISTER AND MARRIAGES PERFORMED BY RELIGIOUS DENOMINATION

BRITISH COLUMBIA, 2008

Religious Denomination	Number of Religious Representatives	Number Who Performed Marriages	Number of Marriages Performed
Anglican	488	224	510
Baptist	800	346	719
Eastern Orthodox	59	20	66
Jewish	35	12	33
Lutheran	252	120	253
Mennonite / Hutterite	452	223	480
Pentecostal	832	333	871
Presbyterian	226	82	163
Catholic	536	230	1,062
Salvation Army	199	33	72
Jehovahs Witness	89	58	129
United Church	494	262	858
Other Christian Religions	2,624	1,012	2,325
Other Non Christian Religions	519	208	1,210
Unknown / Not Stated	11	3	22
Total	**7,616**	**3,166**	**8,773**

Note: Religious categories shown above are from Statistics Canada. Individuals with temporary appointments are counted once for each appointment.

TABLE 53

MARRIAGE COMMISSIONERS ON REGISTER BY TYPE AND MARRIAGES PERFORMED

BRITISH COLUMBIA, 2008

Type of Commisioner	Number of Commissioners	Number Who Performed Marriages	Number of Marriages Performed
Private Commissioner*	492	459	14,184
Public Servant	12	3	3
Total	**504**	**462**	**14,187**

Note: Individuals with temporary appointments are counted once for each appointment.
* Includes 159 temporary appointments.

Vital Statistics Information Box

USUAL RESIDENCE OF PERSONS MARRIED IN BRITISH COLUMBIA IN 2008

OPPOSITE SEX MARRIAGES

Area	Province/State or Country	Males	Females
Canada	**Total**	**21,376**	**21,467**
	British Columbia	19,804	19,978
	Alberta	1,138	1,094
	Ontario	240	219
	Saskatchewan	81	78
	Manitoba	40	30
	Quebec	26	28
	Northwest Territories	13	11
	Nova Scotia	13	8
	Yukon	10	11
	Newfoundland & Labrador	4	4
	New Brunswick	4	3
	Nunavut	2	2
	Prince Edward Island	1	1
United States	**Total**	**493**	**402**
	Washington	157	117
	California	81	64
	Oregon	31	30
	New York	27	21
	Texas	25	17
	Colorado	13	10
	Illinois	10	11
	Pennsylvania	11	9
	Massachusetts	7	9
	Nevada	8	8
	Idaho	8	7
	Wisconsin	9	6
	Arizona	8	5
	Florida	6	7
	North Carolina	6	6
	Tennessee	6	6
	Ohio	6	5
	Other	74	64
Mexico, Central & South America	**Total**	**8**	**22**
	Mexico	3	12
	Other	5	10
Europe	**Total**	**249**	**232**
	United Kingdom	140	122
	Germany	41	39
	Republic of Ireland	13	12
	Scandinavian Countries	13	12
	Netherlands	15	9
	Switzerland	5	8
	Other	22	30
Asia & Middle East	**Total**	**56**	**67**
	Hong Kong	13	17
	China	14	13
	Japan	5	11
	Taiwan	5	8
	Other	19	18
Africa	**Total**	**6**	**4**
Oceania	**Total**	**41**	**35**
	Australia	35	30
	New Zealand	6	5
Unknown	**Total**	**-**	**-**
TOTAL		**22,229**	**22,229**

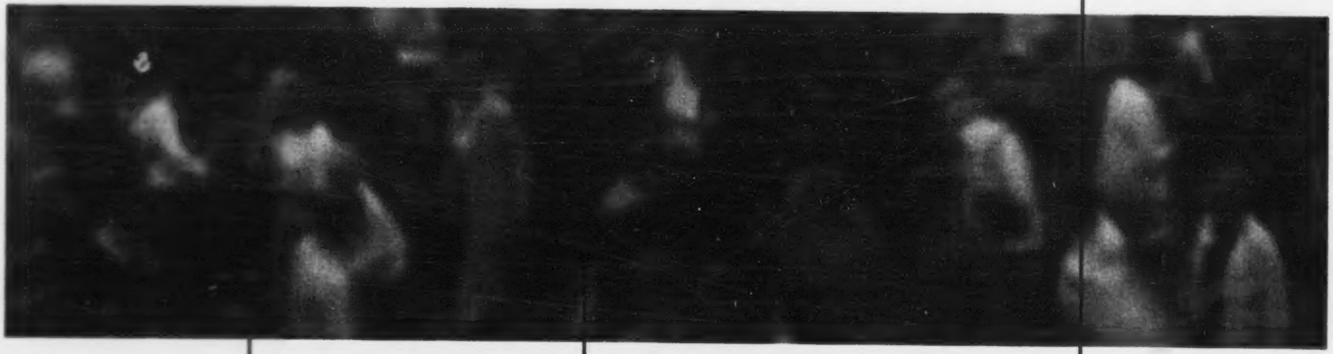
Vital Statistics Information Box

USUAL RESIDENCE OF PERSONS MARRIED IN BRITISH COLUMBIA IN 2008

SAME SEX MARRIAGES

Area	Province/State or Country	Males	Females
Canada	**Total**	**409**	**437**
	British Columbia	395	406
	Alberta	9	18
	Ontario	4	8
	Nova Scotia	-	2
	Manitoba	1	2
	Quebec	-	1
United States	**Total**	**191**	**291**
	Washington	35	52
	California	27	45
	Texas	16	40
	Colorado	13	12
	Florida	10	14
	New York	9	12
	Arizona	4	14
	Georgia	6	10
	Nevada	8	6
	Illinois	4	8
	Wisonsin	4	8
	Other	55	70
Mexico, Central & South America	**Total**	**1**	**4**
Europe	**Total**	**18**	**21**
	United Kingdom	5	14
	Other	13	7
Asia & Middle East	**Total**	**24**	**27**
	Hong Kong	3	11
	China	6	2
	Japan	4	2
	Israel	4	2
	Other	7	10
Africa	**Total**	**-**	**1**
Oceania	**Total**	**13**	**25**
	Australia	13	21
	New Zealand	-	4
Unknown	**Total**	**-**	**-**
TOTAL		**656**	**806**

Glossary



Glossary Terms

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

(See **HIV Disease.**)

AGE-SPECIFIC FERTILITY RATE (ASFR)

The rate of live births per 1,000 women for the specific age group. This is a more detailed measure than the crude birth rate, as it reflects variations in the birth rate by age groups of the female population.

(See ASFR under **Fertility Rate** in the Methodology section for an example.)

AGE STANDARDIZATION

Age standardized is a method of calculation which adjusts a statistical measure for differences in the age/gender structures between populations. With standardized measures, more meaningful comparisons can be made between genders, different time periods, or geographic areas, because the age standardized statistic is calculated as if all populations had the same age/gender population distribution.

The age standardized measures in this report include **Age Standardized Mortality Rate (ASMR), Standardized Mortality Ratio (SMR), Potential Years of Life Lost Standardized Rate (PYLLSR),** and **Potential Years of Life Lost Index (PYLLI).** (See the above headings in the Methodology section for examples.)

AGE STANDARDIZED MORTALITY RATE (ASMR)

A summary of age adjusted death rates by age and gender, which have been standardized to a 'standard' population (1991 Canada Census) for the purpose of rate comparisons between genders, different time periods or different geographic locations. The ASMR is the theoretical number of deaths that would occur per 10,000 population, if the specific population had the same age structure as the standard population. Age standardization is used for comparisons because populations vary in the proportions of the various ages of the individuals that comprise them, and such differences would in themselves tend to affect the disease occurring in each of the populations.

(See also **Age Standardization** and **Standard Population.** See **Age Standardized Mortality Rate** in the Methodology section for an example.)

AIDS

(See **HIV Disease.**)

ALCOHOL-RELATED DEATHS

Alcohol-related deaths include deaths where alcohol was a contributing factor (indirectly related) as well as those due to alcohol (directly related). Alcohol-related and drug overdose deaths are the only cause of death categories that are not based entirely upon underlying causes of death.

The ICD-10 codes for deaths due to the use or abuse of alcohol (directly related) are shown in Table 39. If any of the conditions listed as directly related to alcohol are noted on the Medical Certificate as antecedent causes giving rise to the underlying cause or as other significant conditions contributing to the death, the death is considered to be indirectly related to alcohol.

Coding practices from 1995 to 1999 may have produced over-counting of alcohol-related mortality. With the introduction of ICD-10 in 2000, more specific codes are available. Currently produced data should not be used in combination with data produced prior to 2000.

ASFR

(See **Age Specific Fertility Rate.**)

ASMR

(See **Age Standardized Mortality Rate.**)

AVERAGE AGE

The average ages of brides, grooms, and mothers of newborns in this annual report are calculated based on information provided on marriage or birth registration forms. The average ages of the population living in data dissemination areas are based on the mid-year population estimates for five-year age groups.

AVERAGE AGE POPULATION

The average age of the population is a grouped average based on the mid-year population estimates for five-year age groups. This information is provided by BCSTATS, Ministry of Citizens' Services.

BIRTH ORDER

Denotes the number position of the present birth relative to previous live births. That is, whether the live birth being counted is the 1st, 2nd, 3rd, etc. live born infant to a particular mother.

BIRTH RATE

The number of live births divided by the mid-year population and converted to a rate per 1,000 population.

BIRTH RELATED STATISTICS

The birth related statistics shown in this report include teenage mother, elderly gravida, C-section, low birth weight, and pre-term live birth rates.

BIRTH WEIGHT

The first weight of the fetus or newborn after birth. For live births this weight should be measured within the first hour of life before significant postnatal weight loss has occurred. Hospitals in BC measure weight in grams; the approximate equivalents in imperial measures are included below for comparisons to other jurisdictions. For statistical and risk assessment purposes, birth weights are grouped as:

• Low Birth Weight (LBW)	less than 2,500 grams (< 5 lb 8 oz)
• "Healthy" Weight	2,500 to 4,499 grams (5 lb 8 oz - 9 lb 15 oz)
• High Birth Weight	4,500 grams or more (> 9 lb 15 oz)

Low birth weight is sometimes further divided into these overlapping categories:

• Extremely Low Birth Weight	less than 500 grams (< 1 lb 2 oz)
• Very Low Birth Weight	less than 1,500 grams (< 3 lb 5 oz)

In recent years there has been an increasing preference to identify high birth weight as Large for Gestational Age, which is above the 90th percentile of the birth weight distribution at each gestational age.

BIRTHS

(See **Total Births.**)

BREECH

A delivery in which the buttocks or feet appear first.
See also **Mode of Delivery**.

C-SECTION

A delivery by cesarean, involving the surgical incision of the abdomen and uterine walls.
See also **Mode of Delivery**.

C-SECTION RATES

The number of live births, delivered by cesarean divided by the number of live births and converted to a rate per 1,000 live births.

CESAREAN

A delivery involving the surgical incision of the abdomen and uterine walls.
See also **Mode of Delivery**.

COMMUNITY

A geographical area defined by a municipal (city, town, village, district municipality, Indian Government district, island municipality, or resort municipality) boundary. In this report, data are only provided for incorporated communities.

CONFIDENCE INTERVAL

A measure of the variability of a statistic. A wide confidence interval indicates that the statistic is likely to fall within a wide range of values, while a narrow confidence interval indicates the statistic is likely to fall within a narrow range of values. In general, statistical confidence intervals will be wider for areas with small populations or rare events than for areas with larger populations or more common events.
(See **Statistical Tests of Significance** at the end of the Methodology section.)

CONGENITAL ANOMALIES

Physical defects that existed or date from birth.

CRUDE RATES

For live births:
the crude rate is the number of live births divided by the mid-year population and converted to a rate per 1,000 population.

For birth-related statistics (teenage mother, elderly gravida, C-section, low birth weight, and pre-term):
the rate is the number of these births divided by the number of live births and converted to a rate per 1,000 live births.

For stillbirths and perinatal deaths:
the rate is the number of stillbirths or perinatal deaths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

For infant deaths:
the crude rate is the number of infant deaths divided by the number of live births and converted to a rate per 1,000 live births.

For maternal deaths:
the rate is the number of maternal deaths divided by the number of live births, and converted to a rate per 10,000 live births.

For deaths and mortality statistics:
the crude rate is the number of deaths divided by the mid-year population and converted to a rate per 1,000 population.

For marriages:
the crude rate is the number of marriages divided by the mid-year population and converted to a rate per 1,000 population.

DEATH RATE

The number of deaths divided by the mid-year population and converted to a rate per 1,000 population.

DEATHS DUE TO MEDICALLY TREATABLE DISEASES

(See **Medically Treatable Diseases.**)

DRUG-INDUCED DEATHS

Deaths due to drug-induced causes. This category of deaths excludes unintentional injuries, homicides, and other causes that could be indirectly related to drug use. Deaths directly due to alcohol are also excluded. The causes of death classified as being drug-induced (shown in Table 44 with their ICD-10 codes) are based on those used by the National Center for Health Statistics.[1]

DRUG OVERDOSE DEATHS

Deaths where the underlying cause of death was determined to be unintentional poisoning by illicit/illegal drugs. These deaths are a small portion of the deaths due to unintentional poisoning by drugs, and exclude accidental poisoning by drugs in therapeutic use. Deaths due to conditions that may arise from substance abuse, such as Hepatitis 'B' and 'C' and HIV, are also excluded.

Drug overdose deaths can be divided according to drug type: heroin/morphine, methadone, cocaine, psychostimulants including "crystal meth" (methamphetamine hydrochloride) and "ecstasy" (methylenedioxymethamphetamine), and other mixed drugs. The ICD-10 codes for these deaths are shown in Table 46. It should be noted that specified drug (nature of injury) codes must also be listed on the Medical Certificate for the death to be considered a drug overdose.

EARLY NEONATAL DEATH

Death of a child under seven days of age.

See also **Infant Death**.

ELDERLY GRAVIDA

Any woman who was 35 years of age or older at the time of delivery of a live born infant.

ELDERLY GRAVIDA RATE

The number of live births delivered by women aged 35 years or older divided by the number of live births and converted to a rate per 1,000 live births.

EXPECTED CESAREAN BIRTHS

The number of live births delivered by cesarean section that would be expected to be born to residents of a sub-provincial geographic area, based on the C-section rate for the province as a whole, and the number of births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

EXPECTED DEATHS

The number of deaths expected for residents of a sub-provincial geographic area, based on the age specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area. (See **Standardized Mortality Ratio** in the Methodology section for an example.)

EXPECTED LOW BIRTH WEIGHT

The number of live births with low birth weight (less than 2,500 grams) that would be expected to be born to residents of a sub-provincial geographic area, based on the low birth weight rate for the province as a whole, and the number of live births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

EXPECTED MATERNAL COMPLICATIONS

The number of live births with maternal complications that would be expected to be born to residents of a sub-provincial geographic area, based on the complication rate for the province as a whole, and the number of live births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

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[1] National Center for Health Statistics (1993). Technical notes. Monthly Vital Statistics Report. 41 (Suppl. 7), 48.

EXPECTED PERINATAL COMPLICATIONS

The number of live births with perinatal conditions that would be expected to be born to residents of a sub-provincial geographic area, based on the rate of those conditions for the province as a whole, and the number of live births in the sub-provincial geographic area.

(See **Observed versus Expected Ratio** in the Methodology section for an example.)

EXPECTED POTENTIAL YEARS OF LIFE LOST

The number of potential years of life lost (to age 75 in this report) expected for residents of a sub-provincial geographic area based on the age specific mortality rates for the province as a whole and the population age structure of the sub-provincial geographic area.
(See **Potential Years of Life Lost Index** in the Methodology section for an example.)

EXTREMELY LOW BIRTH WEIGHT

A birth weight of less than 500 grams.
See also **Birth Weight**.

EXTREMELY PREMATURE

A gestational age of less than 28 weeks.
See also **Gestational Age**.

FERTILTIY RATE

The number of live births occurring in a given time period divided by the number of women of childbearing age for residents of a geographic area. BC rates are per 1,000 women aged 15 to 44; Canadian rates are per 1,000 women aged 15 to 49.
See also **Total Fertility Rate**.

FORCEPS

An assisted delivery employing forceps.
See also **Mode of Delivery**.

GESTATIONAL AGE

Fetal age or duration of pregnancy measured from the first day of the last normal menstrual period. Gestational age is expressed in completed days or completed weeks (e.g., events occurring 280 to 286 days after the onset of the last normal menstrual period are considered to have occurred at 40 weeks of gestation).

Measurements of fetal growth, as they represent continuous variables, are expressed in relation to a specific week of gestational age as follows:

• Pre-term	gestational age less than 37 weeks
• Term	gestational age of 37 to 41 weeks
• Post-term	gestational age of 42 weeks or more

Pre-term births can be further divided as follows:

• Extremely premature	gestational age of less than 28 weeks
• Moderately premature	gestational age of 28 to 36 weeks

HA

(See **Health Authority.**)

HEALTH AUTHORITY (HA)

A geographic subdivision of the province used by the Ministry of Health Services for administrative and data dissemination purposes. There are five health authorities plus the provincial HA. Health authorities can be subdivided into 16 Health Service Delivery Areas (HSDAs) or 89 Local Health Areas (LHAs). See Figure 2 for a map of the province by HAs.

HEALTH SERVICE DELIVERY AREA (HSDA)

A geographic subdivision of the province used by the Ministry of Health Services for data dissemination purposes. The 16 Health Service Delivery Areas can be aggregated into the five Health Authorities (HAs) plus the provincial HA, or subdivided into 89 Local Health Areas (LHAs). See Figure 2 for a map of the province by HSDAs.

"HEALTHY" WEIGHT

A birth weight of 2,500 to 4,499 grams.
See also **Birth Weight**.

HIGH BIRTH WEIGHT

A birth weight of 4,500 grams or more.
See also **Birth Weight**.

HIV DISEASE

In 1987 the World Health Organization added new codes to the ***International Classification of Diseases*** (ICD) to identify Acquired Immunodeficiency Syndrome (AIDS) and Human Immunodeficiency Virus (HIV). In ICD-10, these conditions are coded to B20–B24 and are called HIV disease.

HSDA

(See **Health Service Delivery Area.**)

HUMAN IMMUNODEFICIENCY VIRUS (HIV)

The virus that causes HIV disease.

ICD-9 CODES

The World Health Organization's ***International Classification of Diseases, Ninth Revision***. This version of ICD was used by the B.C. Vital Statistics Agency for coding birth complications and causes of death from 1979 until 1999. Translation tables were developed and extensive manual reviews conducted in order to recode causes of death from ICD-9 to ICD-10, permitting direct comparison of cause of death trends including deaths from 1999 and earlier that were originally coded in ICD-9.

ICD-10 CODES

The World Health Organization's ***International Statistical Classification of Diseases and Related Health Problems, Tenth Revision***, implemented by the B.C. Vital Statistics Agency on January 1, 2000. The Preamble to Appendix 2 presents a summary of ICD-10 codes.

INFANT DEATH

Death of a child under one year of age. These deaths are divided according to age at death because of the high mortality rates that occur in the periods soon after birth and because different environmental factors underlie the cause of death in the different time periods.

• Neonatal death	death of children less than 28 days after birth
• Post neonatal death	death of children from 28 to 364 days after birth

Neonatal deaths are further divided as follows:

• Early neonatal death	death of children less than 7 days after birth
• Late neonatal death	death of children from 7 to 27 days after birth

INFANT MORTALITY RATE

The number of deaths of children under one year of age expressed as a rate per 1,000 live births. The infant mortality rate is an internationally accepted indicator of the health status of a population.

LATE NEONATAL DEATH

Death of a child from 7 to 27 days of age.
See also **Infant Death**.

LBW

(See **Low Birth Weight.**)

LHA

(See **Local Health Area.**)

LIFE EXPECTANCY

Life expectancy at birth represents the mean number of years a birth cohort (persons born in the same year) may expect to live given the present mortality experience of a population. The life expectancy for a population is a summary measure that reflects the mortality rates for all ages combined, weighted in accordance with a life-table population structure. Life expectancy is an internationally accepted indicator of the health status of a population. Life expectancy is provided by BCSTATS, Ministry of Citizens' Services.

LIVE BIRTH

The ***Vital Statistics Act*** defines a live birth as "The complete expulsion or extraction from its mother, irrespective of the duration of the pregnancy, of a product of conception in which, after the expulsion or extraction, there is:

(a) breathing;
(b) beating of the heart;
(c) pulsation of the umbilical cord; or
(d) unmistakable movement of voluntary muscle, whether or not the umbilical cord has been cut or the placenta attached."

LIVE BIRTH RATE

The number of live births divided by the mid-year population and converted to a rate per 1,000 population.

LOCAL HEALTH AREA (LHA)

A geographic subdivision of the province used by the Ministry of Health Services for data dissemination purposes. The 89 local health areas can be aggregated into 16 Health Service Delivery Areas (HSDAs) or five Health Authorities (HAs) plus the provincial HA. See Figure 1 for a map of the province by LHAs.

LOW BIRTH WEIGHT (LBW)

A birth weight of less than 2,500 grams. Low birth weight babies have increased risks of morbidity and premature death.
See also **Birth Weight**.

LOW BIRTH WEIGHT RATE

The number of low birth weight live born babies per 1,000 live births.

MARRIAGE RATE

The number of marriages divided by the mid-year population and converted to a rate per 1,000 population.

MATERNAL DEATH

Death of a woman while pregnant or within 42 days of termination of pregnancy from causes related to the pregnancy, but not from accidental or incidental causes.

MATERNAL DEATH RATE

The number of maternal deaths divided by the number of live births, and converted to a rate per 10,000 live births.

MEDICALLY TREATABLE DISEASES, DEATHS DUE TO

Deaths due to medically treatable diseases are based on Charlton's[2] classification. The disease categories are ones for which mortality could potentially have been avoided through appropriate medical intervention. It should be noted that the causes are considered to have been medically treatable only if the death occurred to persons within a specified age range (see footnotes to Table 37).

The incidence of deaths from medically treatable diseases can be used by public health professionals as a way of monitoring the effect of health promotion programs.

MODE OF DELIVERY

The modes of delivery presented in this report consist of cesarean, forceps, spontaneous breech, spontaneous vertex, and vacuum (or suction).

Cesarean:
A delivery involving the surgical incision of the abdomen and uterine walls.

Forceps:
An assisted delivery employing forceps.

Spontaneous Breech:
An unassisted (spontaneous) delivery in which the buttocks or feet of the fetus appear first.

Spontaneous Vertex:
An unassisted (spontaneous) delivery in which the head of the fetus appears first.

Vacuum:
An assisted delivery employing suction or vacuum.

MODERATELY PREMATURE

A gestational age of 28 to 36 weeks.
See also **Gestational Age**.

MVA DEATHS

Motor Vehicle Accidental Deaths.

NATURAL POPULATION INCREASE (NPI)

The component increase in a population due to the number of live births less deaths; also called Natural Population Growth. This increase is often expressed as a rate, such as per 1,000 population. It does not include increases due to immigration or decreases due to emigration.

NEONATAL DEATH

Death of a child under 28 days of age.
See also **Infant Death**.

NPI

(See **Natural Population Growth.**)

OBSERVED DEATHS

The actual number of deaths that occurred to residents of a sub-provincial geographic area in a specified time period.

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[2] Charlton, J.R.H. (1987). Avoidable Deaths and Diseases as Monitors of Health Promotion. In T. Abelin, Z.J. Brzezinski, & V. Carstairs (Eds.), ***Measurement in Health Promotion and Protection*** (pp.467-479). Copenhagen, Denmark: World Health Organization, Regional Office for Europe.

OBSERVED LOW BIRTH WEIGHT LIVE BIRTHS

The actual number of low birth weight live births that occurred to residents of a sub-provincial geographic area in a specified time period.

OBSERVED MATERNAL COMPLICATIONS

The actual number of maternal complications that occurred to residents of a sub-provincial geographic area in a specified time period.

OBSERVED PERINATAL CONDITIONS

The actual number of perinatal conditions that occurred to residents of a sub-provincial geographic area in a specified time period.

OBSERVED PYLL

The actual number of potential years of life lost (to age 75) from deaths that occurred to residents of a sub-provincial geographic area in a specified time period.

OUT-OF-WEDLOCK BIRTHS

Births where the mother of the baby is not lawfully married to the father of the baby.

OVERDOSE DEATHS

(See **Drug Overdose Deaths.**)

P-VALUE

The probability of rejecting the null hypothesis when a specified test procedure is used on a given data set. The data are statistically significant when the null hypothesis is rejected and not significant otherwise.
(See **Statistical Test** in the Methodology section for examples.)

PERINATAL

Pertaining to or occurring in the period shortly before, during and after birth, starting at 22 completed weeks of gestation and ending seven completed days after birth.

PERINATAL DEATH RATE

The number of perinatal deaths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

POPULATION

Mid-year population estimates used in the preparation of this report were obtained from BC STATS, Ministry of Citizens' Services.

POST MATURE

(See **Post-Term.**)

POST NEONATAL DEATH

Death of a child between the ages of 28 days and 364 days.
See also **Infant Death**.

POST TERM

A gestational age of 42 weeks or more.
See also **Gestational Age**.

POTENTIAL YEARS OF LIFE LOST (PYLL)

The number of years of life lost when a person dies before a specified age (75 years). In this report, all deaths are assumed to occur at the midpoint of five-year age groups.
(See **Potential Years of Life Lost (PYLL)** in the Methodology section for an example.)

PREMATURE

(See **Pre-Term.**)

PRE-TERM

A gestational age less than 37 weeks.
See also **Gestational Age**.

PRE-TERM RATE

The number of pre-term live births divided by the number of live births and converted to a rate per 1,000 live births.

PYLL INDEX (PYLLI)

The ratio of an area's observed PYLL to its expected PYLL. This is a health status indicator.
(See **Potential Years of Life Lost Index (PYLLI)** in the Methodology section for an example.)

PYLL STANDARD RATE (PYLLSR)

An age-standardized measure of an area's PYLL, expressed in terms of a rate per 1,000 population, adjusted to a standard population (1991 Canada Census). This is a health status indicator.
(See PYLLSR under **Potential Years of Life Lost (PYLL)** in the Methodology section for an example.)

PYLL

(See **Potential Years of Life Lost.**)

PYLL %

The percent of all PYLL in the age group due to a specified cause of death.

PYLLI

(See **PYLL Index.**)

PYLLSR

(See **PYLL Standardized Rate.**)

QUINTILE

A ranking is derived by dividing a group (e.g., LHAs within British Columbia) into five subgroups, each with equal numbers of LHAs. (Since there are 89 LHAs and 89 is not evenly divisible by five, there is one less LHA in the middle group.) These divisions are derived from a ranking of the group members according to the value of a measure, such as the SMR or the PYLLI.

SAM

(See **Smoking-attibutable Mortality.**)

SIDS

Sudden Infant Death Syndrome.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

The absence on death certifications of complete and reliable data on smoking requires the use of estimation techniques to approximate the extent of smoking-attributable deaths. Estimation methods, while not precise, may at least provide a general indication of the extent of such deaths. This report uses an estimation method based on the concept of attributable risk, which is described in the Methodology section.

Smoking-attributable deaths are derived by multiplying a smoking-attributable mortality percentage by the number of deaths aged 35+ in specified cause of death categories. These categories are comprised of selected malignant neoplasms, circulatory system diseases, and respiratory system diseases, and are listed in Table 42.
(See **Smoking-Attributable Mortality** in the Methodology section for more details.)

SMR

(See **Standardized Mortality Ratio.**)

STANDARD POPULATION

A reference population of known age distribution used in the calculation of standardized indicators to adjust for variations in population age structures in different geographic areas or time periods. For SMR and PYLLI calculations the standard population is the British Columbia population for the year(s) concerned. The 1991 Canadian Census is used as the standard population in the calculation of ASMR and PYLLSR.

STANDARDIZED MORTALITY RATIO (SMR)

The ratio of the number of deaths occurring to residents of a geographic area (e.g., LHA) to the expected number of deaths in that area based on provincial age-specific mortality rates. The SMR is a good measure for comparing mortality data that are based on a small number of cases or for readily comparing mortality data by geographical area. SMR is an internationally recognized health status indicator.

See also **Age Standardization** and **Standard Population**.

(See **Standardized Mortalilty Ratio** in the Methodology section for an example.)

STILLBIRTH

Since 1986, the ***Vital Statistics Act*** defines a stillbirth as "The complete expulsion or extraction from its mother after at least 20 weeks of pregnancy, or after attaining a weight of at least 500 grams, of a product of conception in which, after the expulsion or extraction, there is no breathing, beating of the heart, pulsation of the umbilical cord, or unmistakable movement of voluntary muscle."

The definition of a stillbirth has changed over the years. From 1950 until July 1, 1962, the definition of a stillbirth was the birth of a viable fetus after at least 28 weeks pregnancy in which pulmonary respiration does not occur, whether death occurs before, during, or after birth. From July 1, 1962 until January 1, 1986, the definition of a stillbirth did not include the phrase "or after attaining a weight of at least 500 grams."

STILLBIRTH RATE

The number of stillbirths divided by the number of total births (live births plus stillbirths) and converted to a rate per 1,000 total births.

See also **Crude Rates**.

TEENAGE MOTHERS

Mothers less than 20 years of age.

TEENAGE MOTHER LIVE BIRTH RATE

The number of live births to teenage mothers divided by the number of live births and converted to a rate per 1,000 live births.

TERM

A gestational age of 37 to 41 weeks.

See also **Gestational Age**.

TFR

(See **Total Fertility Rate.**)

TOTAL BIRTHS

The number of live births plus stillbirths.

TOTAL FERTILITY RATE (TFR)

The number of births that a group of 1,000 women would have if, during their childbearing years, they had the age-specific birth rates observed in a given calendar year. TFR is a hypothetical measure of completed family size based on current levels of fertility by age.

(See TFR under **Fertility Rate** in the Methodology section for an example.)

TOTAL PYLL

The total number of potential years of life lost prior to an established cut-off point of 75 years.

UCOD

(See **Underlying Cause of Death.**)

UNDERLYING CAUSE OF DEATH (UCOD)

The World Health Organization defines the underlying cause of death as "(a) the disease of injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury."

VACUUM

An assisted delivery employing suction or vacuum.
See also **Mode of Delivery**.

VERTEX

A delivery in which the head of the fetus appears first.
See also **Mode of Delivery**.

VERY LOW BIRTH WEIGHT

A birth weight of less than 1,500 grams.
See also **Birth Weight**.

Methodology

Methodology

Population statistics inevitably involve comparisons of sub-populations, regions, and time periods. To many, such comparisons are often too complex so that interpretation becomes a formidable task. However, those comparisons are necessary in order to understand the health status of specific populations within British Columbia. The text that accompanies the tables and figures in this report explains the basic meaning of the comparisons but, for some, a more in depth explanation is useful and necessary.

This section provides the reader with computational examples of how various measures are calculated. All data shown in the examples are hypothetical. These routines are referenced in the discussion accompanying specific tables and figures where they are used and are arranged alphabetically. In some cases a test of statistical significance is noted in the discussion and those routines will be found at the end of this part of the report.

Examples of the these statistical computations follow:

RATES

- Age Standardized Mortality Rate (ASMR)
- Fertility Rates
  - Total Fertility Rate (TFR)
  - Age Specific Fertility Rates (ASFRs)

- Potentional Years of Life Lost (PYLL) and Standardized Rate (PYLLSR)

RATIOS

- Observed versus Expected Ratios
  - Low Birth Weight (LBW) Live Births
  - Potential Years of Life Lost Index (PYLLI)
  - Standardized Mortality Ratio (SMR)

ESTIMATION OF SMOKING ATTRIBUTABLE MORTALITY (SAM)

STATISTICAL TESTS OF SIGNIFICANCE

- Chi-Square
- Confidence Intervals
- P-Value

RATES

- Age Standardized Mortality Rate (ASMR)

Although a hypothetical LHA is used in the example cited here, the ASMR was also calculated for yearly death data, for example Figure 16, and specific cause groups, for example Table 21, to permit comparisons between items in those tables or figures. The example shown below can be applied to those measures as well. The test of statistical significance is described under Rates in Statistical Tests of Significance at the end of this Appendix.

Age Group (i)	Standard Population (π_i)	LHA		
		Estimated Population (p_i)	Death Rate/10,000 (m_i)	Observed Deaths (d_i)
< 1	403,061	1,339	22.4	3
1 – 4	1,550,285	5,483	1.8	1
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
80 – 84	382,303	1,198	701.2	84
85 +	287,877	908	1596.9	145
TOTAL	28,120,065	81,016		561

For the Local Health Area:

$$ASMR = \frac{\Sigma m_i \times \pi_i}{\Pi} = \frac{22.4 \times 403{,}061 + \ldots + 1{,}596.9 \times 287{,}877}{28{,}120{,}065} = 46.2$$

Where: p_i =area population in age group i;
π_i =standard population in age group i;
Π $= \Sigma \pi_i$ = total standard population;
d_i =deaths in LHA population in age group i; and
m_i $= d_i / p_i \times 10{,}000$ = mortality rate per 10,000 LHA population in age group i.

e.g., $m_i = \frac{3 \times 10{,}000}{1{,}339} = 22.4$, for age group 1.

- Fertility Rates

Fertility Rates include the Total Fertility Rate (TFR) and Age Specific Fertility Rates (ASFRs). Although the TFR is calculated for a hypothetical LHA in the example cited here, the calculation method was applied to each year in Table 3 and Figure 5 and to each of the LHAs in Table 10. The teenage fertility rates shown in Table 10 and Figure 29 are the teenage-specific fertility rates, that is the ASFRs for 15-19 year olds, exemplified below.

Age Group (i)	LHA Live Births (b_i)	Female Population (w_i)	Age Specific Fertility Rate ($ASFR_i$)
15 – 19	19	598	31.8
20 – 24	46	440	104.5
25 – 29	74	498	148.6
30 – 34	51	745	68.5
35 – 39	12	690	17.4
40 – 44	2	581	3.4
TOTAL	204	3,552	374.2

For the Local Health Area:

1) the age specific fertility rate (ASFR) for age group 15–19 years is:

$$ASFR_i = \frac{b_i}{w_i} \times 1{,}000 = \frac{19}{598} \times 1{,}000 = 31.8$$

Where: b_i =number of live births for age group i; and
w_i =number of female population for age group i.

2) the total fertility rate (TFR) is:

$$TFR = a \times \Sigma ASFR_i = 5 \times (31.8 + \ldots + 3.4) = 1{,}871$$

Where: $ASFR_i$ = age specific fertility rate for age group i; and
a =number of years in each age group i.

- Potential Years of Life Lost (PYLL) and Standardized Rate (PYLLSR)

The Potential Years of Life Lost (PYLL) measures presented in this report are based on the number of years of life lost when a person dies before the age of 75 years. Infant deaths (age less than one year old) are included.

Age Group (i)	Age Factor $(75-Y_i)$	Standard Population (π_i)	LHA			
			Estimated Population (p_i)	Death Rate/1,000 (m_i)	Observed Deaths (d_i)	Observed PYLL $(d_i(75-Y_i))$
< 1	74.5	403,061	1,339	2.2	3	223.5
1 – 4	72.0	1,550,285	5,483	0.2	1	72.0
5 – 9	67.5	1,953,045	6,553	0.2	1	67.5
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
65 – 69	7.5	1,084,588	3,538	18.7	66	495.0
70 – 74	2.5	834,024	2,779	28.8	80	200.0
TOTAL		28,120,065	79,140		239	3,183.0

For the Local Health Area:

$$PYLL = \sum d_i \times (75 - Y_i)$$

Where: d_i =number of deaths in age group i;
Y_i =age at midpoint of age group i; and
Σ =summation.

$$PYLLSR = \frac{\sum m_i \times \pi_i \times (75 - Y_i)}{\Pi} = \frac{2.2 \times 403{,}061 \times 74.5 + \ldots + 28.8 \times 834{,}024 \times 2.5}{28{,}120{,}065} = 37.0$$

Where: p_i =LHA population in age group i;
π_i =standard population in age group i;
$\Pi = \sum \pi_i$ = total standard population;
d_i =deaths in LHA population in age group i;
Y_i =age at midpoint of age group i; and
$m_i = (d_i/p_i) \times 1{,}000$ = mortality rate per 1,000 LHA population in age group i.

RATIOS

- Observed versus Expected Ratios

The following are hypothetical examples that apply to the vital event ratios shown in this report. The first example shows low birth weight (LBW) live births (less than 2,500 grams), but other live birth ratios, such as cesarean deliveries or live births with maternal or perinatal complications, as well as infant deaths ratios can be substituted. Tables 12, 16, 18, 20, and 26 and Figures 30, 32, 33, 34, and 36 present these ratios. Ratios for live births to teenage mothers, elderly gravida live births, pre-term live births, or live births by cesarean, although not shown in this report, would also be calculated the same way as the low birth weight ratios. These ratios based on live births should not be confused with observed versus expected ratios that involve age and gender standardization, such as Standardized Mortality Ratio (SMR) and Potential Years of Life Lost Index (PYLLI). The test of statistical significance is described under Ratios in Statistical Tests of Significance at the end of this Appendix.

- Low Birth Weight Live Births

	LHA			British Columbia	
	Low Birth Weight Live Births				
Year (i)	Observed (O_i)	Expected (E_i)	Total Live Births (L_i)	Low Birth Weight Live Births Observed (b_i)	Total Live Births (B_i)
1995	92	82.9	1,701	2,096	42,989
1996	69	74.6	1,588	1,965	41,846
1997	102	80.2	1,582	2,113	41,655
1998	85	74.7	1,495	2,145	42,913
1999	91	78.1	1,501	2,267	43,586
TOTAL	439	390.6	7,867	10,586	212,989

For the Local Health Area:

1) the expected low birth weight live births for year i = 1995 were:

$$E_i = \frac{b_i}{B_i} \times L_i = \frac{2{,}096}{42{,}989} \times 1{,}701 = 82.9$$

Where: b_i =number of LBW live births for the province in year i;
B_i =number of live births for the province in year i; and
L_i =number of live births for the LHA.

2) the ratio of observed over the expected LBW live births for the five-year period was:

$$\text{Ratio} = \frac{\Sigma O_i}{\Sigma E_i} = \frac{92 + \ldots + 91}{82.9 + \ldots + 78.1} = \frac{439}{390.6} = 1.1$$

Where: O_i =observed LBW live births for year i; and
E_i =expected LBW live births for year i.

- Potential Years of Life Lost Index (PYLLI)
  Note that this method is both age and gender standardized.

			LHA					British Columbia			
Age Group (i)	Gender (j)	Age Factor ($75-Y_{ij}$)	Estimated Population (p_{ij})	Death Rate/1,000 (m_{ij})	Observed Deaths (d_{ij})	Observed PYLL ($d_{ij}(75-Y_{ij})$)	Expected PYLL ($e_{ij}(75-Y_{ij})$)	Estimated Population (P_{ij})	Death Rate/1,000 ($D_{ij}/P_{ij} \times 1{,}000$)	Observed Deaths (D_{ij})	Observed PYLL ($D_{ij}(75-Y_{ij})$)
<1	M	74.5	1,339	2.2	3	223.5	766.3	42,700	7.7	328	24,436.0
<1	F	74.5	1,301	1.8	2	177.3	620.8	40,600	6.4	260	19,380.3
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.
70–74	M	2.5	1,587	71.3	113	282.8	233.2	65,500	58.8	3,969	9,921.4
70–74	F	2.5	2,779	28.8	80	200.0	182.3	107,000	26.2	2,807	7,017.5
TOTAL			79,140		239	3,183.0	5,100.0	2,966,500		11,068	200,265.5

For the Local Health Area:

$$PYLLI = \frac{O}{E} = \frac{\sum d_{ij} \times (75 - Y_{ij})}{\sum e_{ij} \times (75 - Y_{ij})} = \frac{223.5 + 177.3 + \ldots + 282.8 + 200.0}{766.3 + 620.8 + \ldots + 233.2 + 182.3} = \frac{3{,}183}{5{,}100} = 0.6$$

Where: O = observed PYLL;
E = expected PYLL;
d_{ij} = observed deaths in age group i and gender j;
e_{ij} = expected deaths in age group i and gender j;
Y_{ij} = age at midpoint of age group i and gender j;
p_{ij} = LHA population for age group i and gender j;
P_{ij} = provincial population for age group i and gender j;
D_{ij} = provincial deaths for age group i and gender j.

1) Observed PYLL (O)

The number of potential years of life lost (PYLL) based on the number and age at death of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed PYLL are:

Observed PYLL = deaths x age factor = $d_{ij}(75-Y_{ij}) = 3 \times 74.5 = 223.5$

2) Expected PYLL (E)

The number of potential years of life lost (PYLL) expected for residents of the LHA based on the PYLL from the expected deaths in the age group. For example, for age group under one year of age and gender j, the expected PYLL are:

Expected PYLL = expected deaths x age factor = $e_{ij}(75 - Y_{ij}) = \frac{D_{ij}}{P_{ij}} \times p_{ij} \times (75 - Y_{ij})$

$$= \frac{328}{42{,}700} \times 1{,}339 \times 74.5 = 766.3$$

- Standardized Mortality Ratio (SMR)

Note that this method is both age and gender standardized.

		LHA				British Columbia		
Age Group (i)	Gender (j)	Estimated Population (p_{ij})	Death Rate/1,000 (m_{ij})	Observed Deaths (d_{ij})	Expected Deaths (e_{ij})	Estimated Population (P_{ij})	Death Rate/1,000 (M_{ij})	Observed Deaths (D_{ij})
< 1	M	1,339	2.2	3	10.3	42,700	7.7	328
< 1	F	1,301	1.8	2	8.3	40,600	6.4	260
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.
85 +	M	1,198	70.1	84	87.2	48,100	72.8	3,502
85 +	F	908	159.7	145	138.8	34,500	152.8	5,272
TOTAL		81,016		561	595.1	3,131,700		23,389

For the Local Health Area:

$$SMR = \frac{\sum d_{ij}}{\sum e_{ii}} = \frac{3 + 2 + \ldots + 110 + 145}{10.3 + 8.3 + \ldots + 92.6 + 138.8} = \frac{561}{595.1} = 0.9$$

Where: d_{ij} = observed deaths in age group i and gender j; and
e_{ij} = expected deaths in age group i and gender j.

1) Observed Deaths (d)

The actual number of deaths that occurred in the LHA. For example, for age group under one year of age and gender j, the observed deaths are three.

2) Expected Deaths (e)

The number of deaths expected for residents of the LHA based on the age specific mortality rates for the province as a whole and the population age structure of the LHA. For age group under one year and gender j, the expected deaths are:

$$e_{ij} = \frac{D_{ij}}{P_{ij}} \times p_{ij} = \frac{328}{42{,}700} \times 1{,}339 = 10.3$$

Where: p_{ij} = LHA population for age group i and gender j;
D_{ij} = provincial deaths for age group i and gender j; and
P_{ij} = provincial population for age group i and gender j.

- Estimation of Smoking Attributable Mortality (SAM)

This report uses an estimation method to approximate the extent of smoking-attributable deaths based on the concept of attributable risk. To define attributable risk mathematically, consider d_0 and d_1 respectively to represent the death rates, in a given time period, in two cohorts from a population — those not exposed and those exposed to a given risk factor. The attributable risk of this factor, AR_1, would then be:

$$AR_1 = \frac{d_1 - d_0}{d_1} = \frac{r_1 - 1}{r_1}$$

Where: $r_1 = d_1/d_0$ is the relative risk of the exposed cohort.

The relative risk of the unexposed cohort is $r_0 = 1$; the attributable risk of this cohort is $AR_0 = 0$.

The attributable risk (AR) for the population as a whole (exposed plus unexposed cohorts) is given by:

$$AR = \frac{p_1 (r_1 - 1)}{p_1 (r_1) + (1 - p_1)(r_0)} = \frac{(p_1)(r_1 - 1)}{(p_1)(r_1 - 1) + 1}$$

Where: p_1 = the proportion or fraction of the population exposed to the risk factor; and
$1-p_1$ = the proportion or fraction of the population not exposed to the risk factor.

This may be extended to account for multiple levels of exposure, as follows:

$$AR = \frac{\sum_{i=1}^{n} p_i (r_i - 1)}{\sum_{i=1}^{n} p_i (r_i - 1) + 1}$$

Where: p_i = the proportion (prevelance) of the population in the ith level of exposure group;
r_i = the relative risk at the ith level of exposure; and
i = the ith risk category.

When applied to smoking-attributable mortality (SAM), the attributable risk is often expressed as a percentage:
SAM (%) = AR x 100

Smoking-attributable deaths are derived by multiplying the smoking-attributable mortality percentage expressed as a decimal fraction by the number of deaths aged 35+ in each of 19 specified cause of death categories. These categories are comprised of selected malignant neoplasms, circulatory system diseases, and respiratory system diseases, and are listed in the Glossary.

Relative-risk data from the American Society's Cancer Prevention Study (CPS-II) 1982–1988[1] were selected for use, as they have been widely used for similar analyses. The data from CPS–II established the age groups and the classification of smokers (current, former, and never) for which smoking prevalence data were required. The relative risk age categories were for 35+, or 35-64 and 65+. B.C. prevalence rates for smoking were provided in the **Tobacco Use in B.C. (1997)** survey commissioned by the B.C. and Yukon Health and Stroke Foundation.[2]

STATISTICAL TESTS OF SIGNIFICANCE

- Chi Square

For ratios, such as SMRs, a Chi-square (χ^2) test is applied to determine whether the observed number of cases is statistically significantly different from the expected number. For LHA *l*:

$$\chi_l^2 = \frac{(O_l - E_l)^2}{E_l}$$

(with one degree of freedom).

Where: O_l = Observed number for LHA *l*; and
E_l = Expected number for LHA *l*.

If $\chi_l^2 > 3.84$, the ratio is statistically significant at 5% significance level.

For SMR values, the Chi-square statistic that is applied is:

$$X_l^2 = 9\hat{O}_l\left(1 - \frac{1}{9\hat{O}_l} - \left(\frac{E_l}{\hat{O}_l}\right)^{1/3}\right)^2$$

Where: $\hat{O}_l = O_l$ *if* $O_l > E_l$; *otherwise*
$\hat{O}_l = O_l + 1$.

- Confidence Intervals

For rates, such as ASMRs, the test employed to determine statistical significance is a confidence interval. The 95% confidence interval for the difference (D) between a LHA and a provincial rate is defined by the upper and lower limits of the interval as follows:

$$\text{Lower Limit} = D - 1.96\sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

$$\text{Upper Limit} = D + 1.96\sqrt{\frac{R_l^2}{O_l} + \frac{R_p^2}{O_p}}$$

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[1] Centres for Disease Control. (1990). Smoking and health: A national status report. (DHSS publication no. (CDC) 87-8396). 2nd Edition. Rockville, MD: U.S. Department of Health and Human Services.

[2] Tobacco Use in B.C., ANGUS REID GROUP survey results, September 1997.

Where: R_l =Rate for LHA *l*;
R_p =Rate for the province;
O_l =Observed number for LHA *l*; and
O_p =Observed number for the province.

If the Lower Limit > 0, then R_l is statistically significantly higher than R_p;
if the Upper Limit < 0, then R_l is statistically significantly lower than R_p; otherwise,
there is no statistically significant difference.

- P Value

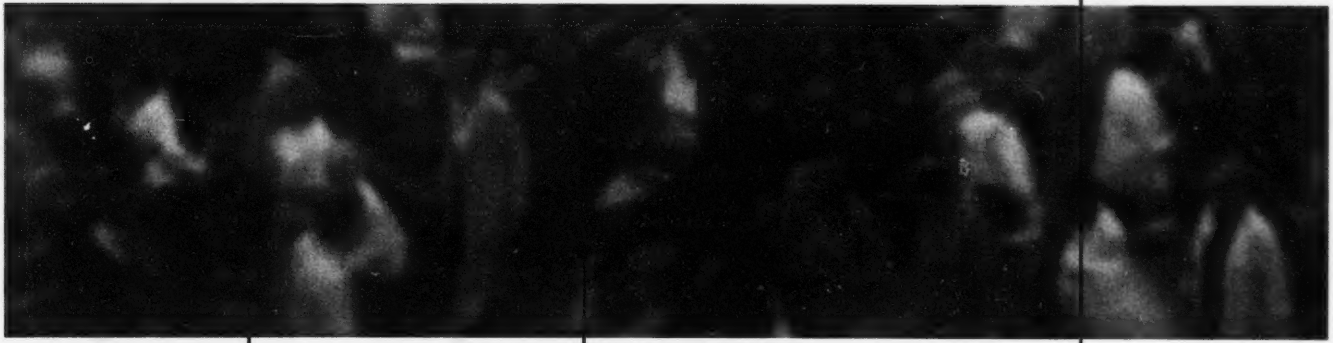
The p-value is the probability of rejecting the null hypothesis when a specified test procedure is used on a given data set. This probability is the smallest level of significance at which the null hypothesis would be rejected. Once the p-value has been determined, the conclusion at any particular level α results from comparing the p-value to α (e.g., 0.05):

(a) p-value $\leq \alpha \Rightarrow$ reject null hypothesis at level α,

(b) p-value $> \alpha \Rightarrow$ do not reject the null hypothesis at level α,

and we call the data statistically significant when the null hypothesis is rejected and not significant otherwise.

Appendix One



Statistical Summaries by Health Authority, Health Service Delivery Area, Local Health Area, and Community

British Columbia, 2008

Preamble to Appendix 1

British Columbia is a large, geographically diverse province. The majority of the population is concentrated in the southwestern corner of the province, with the majority of the remaining population concentrated in the major cities of Kelowna, Kamloops, Prince George, and Nanaimo, or along the border with the United States. Large areas of the province are sparsely populated. Health care services tend to be concentrated in the areas of greater population, especially in the metropolitan areas of Vancouver and Victoria.

Appendix 1 provides summary details of the 2008 vital statistics for Health Authorities (HA), Health Service Delivery Areas (HSDA), Local Health Areas (LHA), and incorporated communities. The LHAs are the lowest level of geographic data aggregation; they are the building blocks upon which the HSDA and HA information is aggregated. Information presented in this appendix includes the number of live births, stillbirths, and deaths by gender, and the number of marriages. Live births and stillbirths are assigned to geographic areas based on usual residence of the mother. Deaths are assigned to geographic areas based on the usual residence of the decedent. Marriages are assigned to geographic areas based on the place where the marriage ceremony was performed, and include non-residents.

Population estimates, average age, and life expectancy at birth were obtained from BC STATS, Ministry of Citizens' Services.

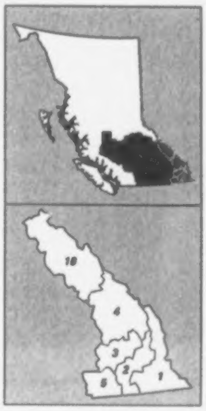
APPENDIX 1

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

HSDA 11 EAST KOOTENAY

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 001 Fernie		**M**	**7,616**	**81**	**57**		**1**	**39.1**	**78.7**
		F	**7,071**	**66**	**40**		**-**	**39.6**	**84.0***
		T	**14,687**	**147**	**97**	**108**	**1**	**39.3**	**81.2**
Elkford	DM	M		13	3		-		
		F		11	1		-		
		T	2,546	24	4	8	-		
Fernie	C	M		28	27		-		
		F		25	24		-		
		T	4,551	53	51	80	-		
Sparwood	DM	M		29	21		1		
		F		19	10		-		
		T	3,765	48	31	8	1		
LHA 002 Cranbrook		**M**	**12,503**	**142**	**97**		**3**	**40.3**	**76.9**
		F	**12,922**	**125**	**86**		**1**	**41.6**	**82.3**
		T	**25,425**	**267**	**183**	**148**	**4**	**41.0**	**79.6**
Cranbrook	C	M		124	83		3		
		F		100	69		1		
		T	18,947	224	152	75	4		
LHA 003 Kimberley		**M**	**4,146**	**44**	**42**		**-**	**44.0**	**80.6**
		F	**4,177**	**38**	**43**		**-**	**45.1**	**81.1**
		T	**8,323**	**82**	**85**	**57**	**-**	**44.6**	**81.0**
Kimberley	C	M		42	37		-		
		F		37	40		-		
		T	6,512	79	77	47	-		
LHA 004 Windermere		**M**	**5,348**	**55**	**31**		**1**	**40.7**	**83.1***
		F	**5,289**	**41**	**30**		**-**	**40.6**	**85.4***
		T	**10,637**	**96**	**61**	**128**	**1**	**40.7**	**84.2***
Canal Flats	VL	M		11	4		-		
		F		6	2		-		
		T	783	17	6	1	-		
Invermere	DM	M		22	15		1		
		F		16	16		-		
		T	3,539	38	31	37	1		
Radium Hot Springs	VL	M		4	4		-		
		F		8	1		-		
		T	973	12	5	25	-		
LHA 005 Creston		**M**	**6,036**	**62**	**86**		**-**	**45.4**	**77.8**
		F	**6,432**	**55**	**76**		**-**	**46.4**	**84.0***
		T	**12,468**	**117**	**162**	**61**	**-**	**45.9**	**80.8**
Creston	T	M		23	49		-		
		F		31	56		-		
		T	5,138	54	105	37	-		
LHA 018 Golden		**M**	**3,949**	**41**	**26**		**-**	**37.9**	**79.7***
		F	**3,575**	**40**	**16**		**1**	**38.3**	**82.9***
		T	**7,524**	**81**	**42**	**141**	**1**	**38.1**	**81.0**
Golden	T	M		37	20		-		
		F		31	16		1		
		T	3,959	68	36	87	1		
TOTAL		**M**	**39,598**	**425**	**339**		**5**	**41.1**	**78.7**
		F	**39,466**	**365**	**291**		**2**	**42.0**	**83.2**
		T	**79,064**	**790**	**630**	**643**	**7**	**41.5**	**80.9**

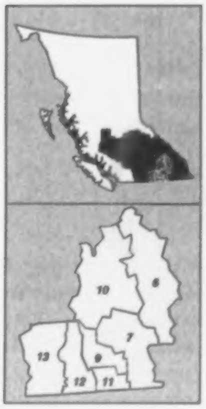


APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

HSDA 12 KOOTENAY BOUNDARY



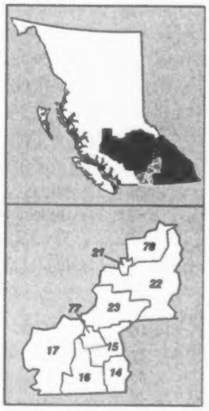
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 006 Kootenay Lake		M	1,849	8	17		-	44.8	77.0*
		F	1,793	11	12		1	45.5	84.8*
		T	3,642	19	29	20	1	45.2	80.6
Kaslo	VL	M		5	10		-		
		F		5	5		1		
		T	1,170	10	15	19	1		
LHA 007 Nelson		M	12,485	121	88		-	40.1	78.4
		F	12,393	127	81		-	41.6	82.6
		T	24,878	248	169	151	-	40.8	80.5
Nelson	C	M		58	38		-		
		F		55	52		-		
		T	9,752	113	90	80	-		
Salmo	VL	M		12	9		-		
		F		13	10		-		
		T	1,048	25	19	9	-		
Slocan	VL	M		2	5		-		
		F		3			-		
		T	369	5	5	4	-		
LHA 009 Castlegar		M	6,637	34	58		1	41.3	76.4
		F	6,610	54	66		-	42.9	81.1
		T	13,247	88	124	60	1	42.1	78.7
Castlegar	C	M		21	36		1		
		F		36	50		-		
		T	7,579	57	86	36	1		
LHA 010 Arrow Lakes		M	2,363	16	25		-	45.8	76.9
		F	2,378	18	26		-	46.3	82.1*
		T	4,741	34	51	37	-	46.0	79.6
Nakusp	VL	M		7	19		-		
		F		14	11		-		
		T	1,523	21	30	21	-		
New Denver	VL	M		4	1		-		
		F		3	10		-		
		T	526	7	11	6	-		
Silverton	VL	M		1	2		-		
		F			2		-		
		T	198	1	4	2	-		
LHA 011 Trail		M	9,529	97	95		2	42.6	75.6
		F	9,889	87	112		1	44.9	80.4
		T	19,418	184	207	96	3	43.8	78.0
Fruitvale	VL	M		16	11		-		
		F		15	10		-		
		T	2,048	31	21	15	-		
Montrose	VL	M		7	4		-		
		F		4	4		-		
		T	1,046	11	8	4	-		
Rossland	C	M		25	7		1		
		F		17	6		-		
		T	3,500	42	13	19	1		
Trail	C	M		36	64		1		
		F		37	79		-		
		T	7,349	73	143	45	1		
Warfield	VL	M		11	7		-		
		F		12	8		-		
		T	1,798	23	15	5	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 012 Grand Forks		M	4,428	38	58		-	45.0	76.7
		F	4,498	16	43		-	47.2	81.0*
		T	8,926	54	101	41	-	46.1	78.8
Grand Forks	C	M		36	49		-		
		F		16	37		-		
		T	4,126	52	86	24	-		
LHA 013 Kettle Valley		M	1,856	18	18		-	46.5	81.8*
		F	1,734	9	7		-	46.0	88.0*
		T	3,590	27	25	18	-	46.3	84.4*
Greenwood	C	M		6	7		-		
		F		5	2		-		
		T	667	11	9	3	-		
Midway	VL	M		2	1		-		
		F		3	2		-		
		T	662	5	3	4	-		
TOTAL		**M**	**39,147**	**332**	**359**		**3**	**42.3**	**77.1**
		F	**39,295**	**322**	**347**		**2**	**44.0**	**81.8**
		T	**78,442**	**654**	**706**	**432**	**5**	**43.1**	**79.5**
HSDA	**13**	**OKANAGAN**							
LHA 014 Southern Okanagan		M	9,522	73	159		2	48.4	76.4
		F	9,996	74	111		1	49.8	82.8
		T	19,518	147	270	119	3	49.1	79.5
Oliver	T	M		41	79		1		
		F		47	56		1		
		T	4,564	88	135	50	2		
Osoyoos	T	M		16	44		1		
		F		10	31		-		
		T	5,044	26	75	29	1		
LHA 015 Penticton		M	19,699	188	278		-	44.5	76.9
		F	21,412	162	262		-	46.9	82.7
		T	41,111	350	540	250	-	45.8	79.8
Penticton	C	M		151	240		-		
		F		139	244		-		
		T	32,933	290	484	179	-		
LHA 016 Keremeos		M	2,824	25	38		-	48.1	72.8
		F	2,930	14	31		-	46.8	83.0*
		T	5,754	39	69	20	-	47.4	77.7
Keremeos	VL	M		15	27		-		
		F		9	23		-		
		T	1,239	24	50	11	-		
LHA 017 Princeton		M	2,411	16	27		-	49.1	76.4
		F	2,369	11	38		1	48.3	80.2
		T	4,780	27	65	34	1	48.7	78.2
Princeton	T	M		16	24		-		
		F		10	36		1		
		T	2,613	26	60	25	1		
LHA 021 Armstrong - Spallumcheen		M	4,619	51	39		-	42.1	79.3*
		F	4,837	45	41		1	43.7	83.8*
		T	9,456	96	80	41	1	42.9	81.6
Armstrong	C	M		28	29		-		
		F		32	24		1		
		T	4,482	60	53	28	1		
Spallumcheen	DM	M		23	10		-		
		F		13	17		-		
		T	5,016	36	27	13	-		



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

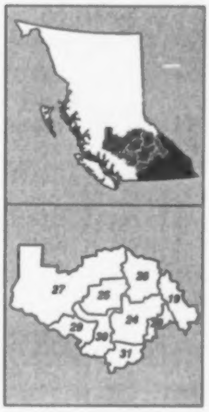
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 022 Vernon		M	31,584	278	306		1	41.6	77.3
		F	33,095	281	295		-	43.8	82.3
		T	64,679	559	601	353	1	42.7	79.8
Coldstream	DM	M		33	32		-		
		F		31	24		-		
		T	10,094	64	56	66	-		
Lumby	VL	M		28	23		1		
		F		20	10		-		
		T	1,754	48	33	27	1		
Vernon	C	M		173	224		-		
		F		195	245		-		
		T	38,444	368	469	196	-		
LHA 023 Central Okanagan		M	88,615	795	791		4	40.9	79.0
		F	91,394	814	747		6	42.7	83.5
		T	180,009	1,609	1,538	1,098	10	41.8	81.2
Kelowna	C	M		532	536		3		
		F		524	534		5		
		T	118,507	1,056	1,070	846	8		
Lake Country	DM	M		55	37		-		
		F		54	33		-		
		T	11,051	109	70	67	-		
Peachland	DM	M		23	33		-		
		F		20	11		-		
		T	5,232	43	44	38	-		
LHA 077 Summerland		M	5,514	38	95		-	46.2	79.8
		F	6,044	33	65		-	47.8	84.3*
		T	11,558	71	160	82	-	47.0	82.1
Summerland	DM	M		38	95		-		
		F		33	65		-		
		T	11,110	71	160	82	-		
LHA 078 Enderby		M	3,893	46	52		1	42.0	75.4
		F	3,911	35	39		-	42.9	81.9*
		T	7,804	81	91	57	1	42.4	78.5
Enderby	C	M		37	46		1		
		F		28	34		-		
		T	2,890	65	80	44	1		
TOTAL		**M**	**168,681**	**1,510**	**1,785**		**8**	**42.4**	**78.1**
		F	**175,988**	**1,469**	**1,629**		**9**	**44.2**	**83.1**
		T	**344,669**	**2,979**	**3,414**	**2,054**	**17**	**43.3**	**80.6**
HSDA 14 THOMPSON CARIBOO SHUSWAP									
LHA 019 Revelstoke		M	4,016	35	21		1	39.5	77.9*
		F	3,902	34	23		-	41.2	83.9*
		T	7,918	69	44	54	1	40.3	80.8*
Revelstoke	C	M		35	21		1		
		F		34	23		-		
		T	7,261	69	44	54	1		
LHA 020 Salmon Arm		M	17,006	160	177		1	44.0	76.2
		F	17,572	125	152		3	45.6	82.2
		T	34,578	285	329	217	4	44.8	79.1

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
Salmon Arm	C	M		95	108		1		
		F		73	111		1		
		T	16,993	168	219	121	2		
Sicamous	DM	M		7	15		-		
		F		8	7		-		
		T	3,057	15	22	21	-		
LHA 024 Kamloops		M	54,253	531	435		8	40.5	77.6
		F	55,002	512	435		1	41.2	81.8
		T	109,255	1,043	870	537	9	40.8	79.7
Chase	VL	M		20	29		-		
		F		24	24		-		
		T	2,468	44	53	48	-		
Kamloops	C	M		432	326		7		
		F		421	362		1		
		T	86,236	853	688	344	8		
Logan Lake	DM	M		10	13		-		
		F		6	2		-		
		T	2,198	16	15	8	-		
LHA 025 100 Mile House		M	7,450	66	78		-	44.5	76.0
		F	7,175	53	64		1	44.8	81.3
		T	14,625	119	142	110	1	44.6	78.5
100 Mile House	DM	M		35	32		-		
		F		20	32		1		
		T	1,933	55	64	54	1		
LHA 026 North Thompson		M	2,181	28	31		-	41.6	71.4
		F	2,143	17	29		-	40.8	82.0*
		T	4,324	45	60	26	-	41.2	76.5
LHA 027 Cariboo - Chilcotin		M	13,561	158	113		-	38.9	75.9
		F	13,038	144	84		-	39.1	81.0
		T	26,599	302	197	124	-	39.0	78.3
Williams Lake	C	M		72	56		-		
		F		67	42		-		
		T	11,133	139	98	66	-		
LHA 029 Lillooet		M	2,250	25	26		-	39.6	75.8
		F	2,108	31	19		-	41.0	78.2*
		T	4,358	56	45	22	-	40.3	76.9
Lillooet	DM	M		24	23		-		
		F		26	17		-		
		T	2,372	50	40	17	-		
LHA 030 South Cariboo		M	3,636	21	40		1	44.1	75.5
		F	3,525	31	30		-	43.5	78.9
		T	7,161	52	70	29	1	43.8	77.1
Ashcroft	VL	M		3	13		-		
		F		7	17		-		
		T	1,741	10	30	12	-		
Cache Creek	VL	M		8	11		-		
		F		8	2		-		
		T	1,084	16	13	9	-		
Clinton	VL	M		5	8		-		
		F		7	5		-		
		T	597	12	13	5	-		
Lytton	VL	M		4	7		1		
		F		8	6		-		
		T	230	12	13	1	1		



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 031 Merritt		M	5,820	65	100		-	40.5	74.5
		F	5,743	51	42		-	40.9	79.7
		T	11,563	116	142	55	-	40.7	77.0
Merritt	C	M		46	77		-		
		F		44	33		-		
		T	7,606	90	110	42	-		
TOTAL		**M**	**110,173**	**1,089**	**1,021**		**11**	**41.2**	**76.8**
		F	**110,208**	**998**	**878**		**5**	**41.9**	**81.6**
		T	**220,381**	**2,087**	**1,899**	**1,174**	**16**	**41.5**	**79.1**
HA 01 INTERIOR TOTAL		**M**	**357,599**	**3,356**	**3,504**		**27**	**41.8**	**77.7**
		F	**364,957**	**3,154**	**3,145**		**18**	**43.2**	**82.5**
		T	**722,556**	**6,510**	**6,649**	**4,303**	**45**	**42.6**	**80.1**
HSDA 21 FRASER EAST									
LHA 032 Hope		M	4,078	53	55		1	44.1	73.6
		F	3,987	36	48		-	44.3	77.1
		T	8,065	89	103	34	1	44.2	75.2
Hope	DM	M		46	48		1		
		F		34	44		-		
		T	6,193	80	92	26	1		
LHA 033 Chilliwack		M	41,260	492	398		2	38.1	77.5
		F	42,088	495	330		5	40.0	82.0
		T	83,348	987	728	529	7	39.1	79.7
Chilliwack	C	M		463	351		2		
		F		457	297		5		
		T	74,965	920	648	409	7		
LHA 034 Abbotsford		M	67,307	909	472		10	36.4	78.6
		F	66,915	805	498		6	38.6	83.3
		T	134,222	1,714	970	500	17	37.5	81.0
Abbotsford	C	M		909	472		10		
		F		804	497		6		
		T	133,556	1,713	969	498	17		
LHA 075 Mission		M	21,296	255	158		2	36.8	76.3
		F	20,175	255	141		2	38.1	81.3
		T	41,470	510	299	162	5	37.4	78.7
Mission	DM	M		233	135		2		
		F		230	124		2		
		T	36,684	463	259	148	5		
LHA 076 Agassiz - Harrison		M	4,492	61	43		-	41.2	79.7
		F	4,435	35	27		-	42.5	85.8
		T	8,927	96	70	139	-	41.8	82.5
Harrison Hot Springs	VL	M		10	7		-		
		F		7	5		-		
		T	1,597	17	12	92	-		
Kent	DM	M		51	36		-		
		F		28	22		-		
		T	5,342	79	58	47	-		
TOTAL		**M**	**138,432**	**1,770**	**1,126**		**15**	**37.3**	**77.8**
		F	**137,600**	**1,626**	**1,044**		**13**	**39.3**	**82.4**
		T	**276,032**	**3,396**	**2,170**	**1,364**	**30**	**38.3**	**80.1**

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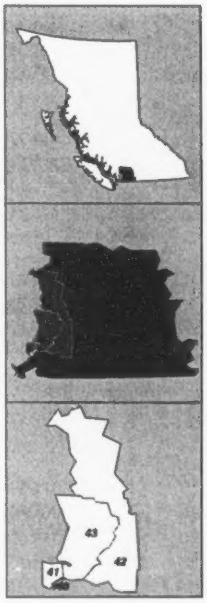
APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

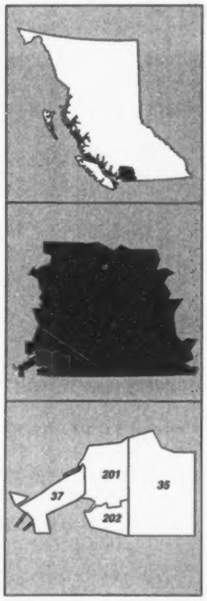
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
HSDA 22 FRASER NORTH									
LHA 040 New Westminster		M	31,461	349	248		2	39.4	77.1
		F	32,284	315	298		3	41.3	82.0
		T	63,745	664	546	295	6	40.3	79.6
New Westminster	C	M		349	248		2		
		F		315	298		3		
		T	63,745	664	546	295	6		
LHA 041 Burnaby		M	107,766	1,164	719		9	38.7	80.2
		F	110,475	1,093	689		13	40.6	84.6
		T	218,241	2,257	1,408	852	23	39.6	82.5
Burnaby	C	M		1,164	719		9		
		F		1,093	689		13		
		T	218,241	2,257	1,408	852	23		
LHA 042 Maple Ridge		M	45,730	512	281		5	36.8	78.0
		F	45,894	480	306		3	38.5	82.3
		T	91,624	992	587	442	8	37.7	80.1
Maple Ridge	DM	M		396	235		4		
		F		381	260		2		
		T	73,957	777	495	279	6		
Pitt Meadows	C	M		115	44		1		
		F		96	45		1		
		T	17,410	211	89	162	2		
LHA 043 Coquitlam		M	105,789	1,057	496		16	37.0	80.4
		F	105,677	1,027	448		10	38.5	83.6
		T	211,466	2,084	944	580	28	37.8	82.1
Anmore	VL	M		11	5		-		
		F		5			-		
		T	2,122	16	5	4	-		
Belcarra	VL	M		1	1		-		
		F		1	1		-		
		T	688	2	2	3	-		
Coquitlam	C	M		548	288		10		
		F		547	264		7		
		T	121,452	1,095	552	368	19		
Port Coquitlam	C	M		289	136		5		
		F		285	128		-		
		T	55,583	574	264	102	5		
Port Moody	C	M		205	66		1		
		F		186	55		3		
		T	31,573	391	121	103	4		
TOTAL		**M**	**290,746**	**3,082**	**1,744**		**32**	**37.8**	**79.5**
		F	**294,330**	**2,915**	**1,741**		**29**	**39.6**	**83.6**
		T	**585,076**	**5,997**	**3,485**	**2,169**	**65**	**38.7**	**81.6**



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008



Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
HSDA 23 FRASER SOUTH									
LHA 035 Langley		M	62,749	725	470		3	37.7	78.6
		F	64,454	677	485		2	39.7	83.0
		T	127,203	1,402	955	781	6	38.7	80.8
Langley (City)	C	M		151	131		1		
		F		132	164		1		
		T	25,352	283	295	259	2		
Langley (Dm)	DM	M		574	332		2		
		F		545	314		1		
		T	101,342	1,119	646	520	4		
LHA 037 Delta		M	49,809	423	337		4	38.8	80.3
		F	50,380	431	329		4	40.4	83.4
		T	100,189	854	666	269	9	39.6	81.9
Delta	DM	M		422	335		4		
		F		431	326		4		
		T	99,508	853	661	268	9		
LHA 201 Surrey		M	186,919	2,698	954		22	35.3	79.0
		F	183,972	2,511	867		23	36.7	82.9
		T	370,891	5,209	1,821	1,181	49	36.0	81.0
Surrey	C	M		2,698	954		22		
		F		2,509	867		23		
		T	433,924	5,207	1,821	1,180	49		
LHA 202 South Surrey/ White Rock		M	39,088	273	389		1	43.3	80.0
		F	43,000	272	469		3	46.7	84.7
		T	82,088	545	858	451	4	45.1	82.5
White Rock	C	M		68	117		1		
		F		51	163		-		
		T	18,820	119	280	78	1		
TOTAL		**M**	**338,565**	**4,119**	**2,150**		**30**	**39.1**	**79.3**
		F	**341,806**	**3,891**	**2,150**		**32**	**38.1**	**83.3**
		T	**680,371**	**8,010**	**4,300**	**2,682**	**68**	**39.3**	**81.4**
HA 02 FRASER TOTAL		**M**	**767,743**	**8,971**	**5,020**		**77**	**37.5**	**79.1**
		F	**773,736**	**8,432**	**4,935**		**74**	**39.3**	**83.3**
		T	**1,541,479**	**17,403**	**9,955**	**6,215**	**163**	**38.4**	**81.2**
HSDA 31 RICHMOND									
LHA 038 Richmond		M	92,269	861	467		9	39.3	82.3
		F	96,758	846	464		7	41.3	86.4
		T	189,027	1,707	931	1,053	18	40.3	84.4
Richmond	C	M		861	467		9		
		F		846	464		7		
		T	189,027	1,707	931	1,053	18		
TOTAL		**M**	**92,269**	**861**	**467**		**9**	**39.3**	**82.3**
		F	**96,758**	**846**	**464**		**7**	**41.3**	**86.4**
		T	**189,027**	**1,707**	**931**	**1,053**	**18**	**40.3**	**84.4**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

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HSDA 32 VANCOUVER

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 161 Vancouver -		M	59,386	491	318		5	39.4	78.6
City Centre		F	56,867	481	285		6	40.1	84.0
		T	116,253	972	603	1,294	12	39.7	81.2
LHA 162 Vancouver -		M	33,355	244	312		5	41.6	72.7
Downtown		F	27,887	206	163		2	41.5	83.7
Eastside		T	61,242	450	475	278	8	41.5	77.1
LHA 163 Vancouver -		M	51,125	568	282		7	38.6	80.7
North East		F	52,292	545	289		3	40.4	84.5
		T	103,417	1,113	571	369	11	39.5	82.7
LHA 164 Vancouver -		M	62,615	583	323		6	38.3	82.0
Westside		F	68,505	556	383		8	40.6	86.5
		T	131,120	1,139	706	1,166	15	39.5	84.4
LHA 165 Vancouver -		M	41,753	524	223		6	38.1	79.7
Midtown		F	43,382	527	228		3	39.7	84.2
		T	85,135	1,051	451	382	10	38.9	82.0
LHA 166 Vancouver -		M	64,399	678	381		7	39.1	82.0
South		F	68,339	653	471		1	41.5	84.9
		T	132,738	1,331	852	327	11	40.3	83.5
TOTAL		**M**	**312,633**	**3,089**	**1,840**		**36**	**39.0**	**79.6**
		F	**317,272**	**2,969**	**1,820**		**23**	**40.6**	**84.8**
		T	**629,905**	**6,058**	**3,660**	**4,021**	**68**	**39.8**	**82.2**

HSDA 33 NORTH SHORE/COAST GARIBALDI

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 044 North Vancouver		M	66,326	638	405		7	39.0	80.7
		F	69,709	572	431		3	41.2	84.4
		T	136,035	1,210	836	434	11	40.1	82.7
North	C	M		348	244		6		
Vancouver		F		307	260		-		
		T	47,733	655	504	305	7		
North	DM	M		273	158		1		
Vancouver		F		252	169		3		
		T	86,066	525	327	128	4		
LHA 045 West Vancouver-		M	24,001	146	200		1	43.9	82.2
Bowen Island		F	26,740	93	279		1	46.4	85.6
		T	50,741	239	479	294	2	45.2	84.0
Bowen Island	IM	M		14	8		-		
		F		12	3		-		
		T	3,657	26	11	30	-		
Lions Bay	VL	M		6			-		
		F		4	1		-		
		T	1,397	10	1	7	-		
West	DM	M		113	184		1		
Vancouver		F		68	265		1		
		T	42,853	181	449	253	2		
LHA 046 Sunshine Coast		M	14,185	119	125		2	44.9	78.9
		F	15,009	126	133		-	46.1	82.5
		T	29,194	245	258	205	2	45.5	80.6
Gibsons	T	M		37	31		-		
		F		34	39		-		
		T	4,329	71	70	41	-		
Sechelt/	DM/	M		42	50		1		
Sechelt	IGD	F		43	58		-		
Indian Govt. Dist.		T	9,826	85	108	44	1		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 047 Powell River		M	9,801	80	109		-	44.1	77.2
		F	9,932	58	79		-	45.7	82.9
		T	19,733	138	188	97	-	44.9	80.1
Powell River	C	M		53	81		-		
		F		42	61		-		
		T	13,243	95	142	61	-		
LHA 048 Howe Sound		M	17,700	257	63		1	35.2	78.8
		F	15,758	223	61		6	35.4	82.3
		T	33,458	480	124	416	7	35.3	80.4
Pemberton	VL	M		32	4		-		
		F		26	4		-		
		T	2,339	58	8	26	-		
Squamish	DM	M		155	38		1		
		F		123	38		5		
		T	16,554	278	76	70	6		
Whistler	DM	M		33	8		-		
		F		34	7		-		
		T	9,702	67	15	255	-		
LHA 049 Bella Coola Valley		M	1,408	24	15		-	39.5	78.5
		F	1,330	22	13		-	40.0	83.0
		T	2,738	46	28	16	-	39.7	80.1
LHA 083 Central Coast		M	795	16	3		-	33.6	70.6*
		F	732	16	3		1	34.6	67.3*
		T	1,527	32	6	6	1	34.1	69.5
TOTAL		**M**	**134,216**	**1,280**	**920**		**11**	**40.4**	**80.2**
		F	**139,210**	**1,110**	**999**		**11**	**42.3**	**84.0**
		T	**273,426**	**2,390**	**1,919**	**1,468**	**23**	**41.4**	**82.1**
HA 03 VANCOUVER COASTAL TOTAL		**M**	**539,118**	**5,230**	**3,227**		**56**	**39.4**	**80.2**
		F	**553,240**	**4,925**	**3,283**		**41**	**41.2**	**84.8**
		T	**1,092,358**	**10,155**	**6,510**	**6,542**	**109**	**40.3**	**82.6**
HSDA 41 SOUTH VANCOUVER ISLAND									
LHA 061 Greater Victoria		M	105,229	949	1,027		14	40.7	78.9
		F	114,893	857	1,248		11	43.8	83.4
		T	220,122	1,806	2,275	1,197	26	42.3	81.3
Esquimalt	DM	M		98	73		2		
		F		83	63		1		
		T	17,660	181	136	126	3		
Oak Bay	DM	M		42	103		2		
		F		41	144		1		
		T	18,085	83	247	99	3		
Victoria	C	M		357	502		2		
		F		322	702		4		
		T	81,874	679	1,204	707	7		
View Royal	T	M		52	31		2		
		F		52	29		-		
		T	9,301	104	60	16	2		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[†]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 062 Sooke		M	32,691	387	211		2	38.2	80.2
		F	32,374	383	171		3	38.7	82.3
		T	65,065	770	382	451	5	38.4	81.3
Colwood	C	M		100	55		-		
		F		88	55		1		
		T	16,012	188	110	134	1		
Highlands	DM	M		9	1		-		
		F		9	2		-		
		T	2,115	18	3	4	-		
Langford	C	M		180	72		1		
		F		155	67		2		
		T	26,090	335	139	97	3		
Metchosin	DM	M		26	23		-		
		F		23	12		-		
		T	5,091	49	35	59	-		
Sooke	DM	M		58	48		1		
		F		88	24		-		
		T	10,859	146	72	116	1		
LHA 063 Saanich		M	30,601	207	367		-	45.5	80.7
		F	32,910	180	316		2	47.5	84.8
		T	63,511	387	683	322	2	46.5	82.8
Central Saanich	DM	M		66	79		-		
		F		42	73		1		
		T	16,218	108	152	88	1		
North Saanich	DM	M		28	56		-		
		F		27	30		-		
		T	11,061	55	86	46	-		
Saanich	DM	M		64	119		-		
		F		55	82		-		
		T	113,209	119	201	129	-		
Sidney	T	M		32	105		-		
		F		41	113		1		
		T	11,544	73	218	51	1		
LHA 064 Gulf Islands		M	7,406	49	61		-	48.2	80.4
		F	7,951	46	75		2	49.5	86.4*
		T	15,357	95	136	199	2	48.9	83.5
TOTAL		**M**	**175,927**	**1,592**	**1,666**		**16**	**41.4**	**79.7**
		F	**188,128**	**1,466**	**1,810**		**18**	**43.8**	**83.7**
		T	**364,055**	**3,058**	**3,476**	**2,169**	**35**	**42.6**	**81.8**

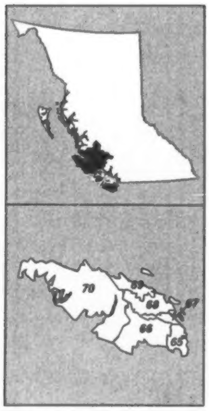
HSDA 42 CENTRAL VANCOUVER ISLAND

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type[†]	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 065 Cowichan		M	27,986	299	274		3	40.8	78.6
		F	28,438	256	230		6	42.0	81.6
		T	56,424	555	504	324	9	41.4	80.1
Duncan	C	M		34	63		1		
		F		40	73		1		
		T	4,994	74	136	40	2		
North Cowichan	DM	M		122	107		-		
		F		99	85		2		
		T	29,199	221	192	85	2		
LHA 066 Lake Cowichan		M	3,195	18	22		-	42.0	76.8
		F	3,048	28	24		-	42.5	84.8*
		T	6,243	46	46	36	-	42.3	80.5
Lake Cowichan	T	M		16	15		-		
		F		23	19		-		
		T	3,015	39	34	22	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008



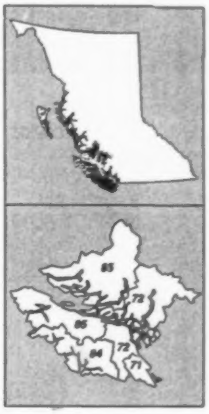
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 067 Ladysmith		M	8,895	72	118		-	44.6	76.5
		F	9,376	62	131		2	46.0	81.3
		T	18,271	134	249	112	2	45.3	78.8
Ladysmith	T	M		31	50		-		
		F		28	55		1		
		T	8,065	59	105	50	1		
LHA 068 Nanaimo		M	49,702	470	488		4	41.2	78.0
		F	51,505	458	439		2	43.5	82.2
		T	101,207	928	927	435	6	42.4	80.1
Lantzville	DM	M		15	12		-		
		F		12	9		-		
		T	3,683	27	21	23	-		
Nanaimo	C	M		400	424		4		
		F		395	387		1		
		T	82,937	795	811	331	5		
LHA 069 Qualicum		M	21,882	147	293		1	49.5	79.3
		F	23,146	124	255		1	50.8	83.6
		T	45,028	271	548	333	2	50.2	81.4
Parksville	C	M		48	102		-		
		F		33	106		-		
		T	11,579	81	208	138	-		
Qualicum Beach	T	M		11	84		-		
		F		18	79		-		
		T	8,666	29	163	64	-		
LHA 070 Alberni		M	15,868	163	148		2	41.0	75.4
		F	15,411	174	153		2	42.0	80.5
		T	31,279	337	301	531	4	41.5	77.8
Port Alberni	C	M		98	105		1		
		F		96	124		1		
		T	17,311	194	229	88	2		
Tofino	DM	M		13	4		-		
		F		24	3		-		
		T	1,811	37	7	359	-		
Ucluelet	DM	M		12	2		1		
		F		17	7		-		
		T	1,554	29	9	38	1		
TOTAL		**M**	**127,528**	**1,169**	**1,343**		**10**	**42.8**	**77.9**
		F	**130,924**	**1,102**	**1,232**		**13**	**44.4**	**82.1**
		T	**258,452**	**2,271**	**2,575**	**1,771**	**23**	**43.6**	**80.0**
HSDA 43 NORTH VANCOUVER ISLAND									
LHA 071 Courtenay		M	30,915	255	287		2	42.6	78.9
		F	32,324	246	239		4	44.0	83.7
		T	63,239	501	526	338	7	43.3	81.3
Comox	T	M		37	74		-		
		F		46	61		1		
		T	13,281	83	135	69	2		
Courtenay	C	M		135	105		1		
		F		118	100		2		
		T	23,871	253	205	112	3		
Cumberland	VL	M		18	15		-		
		F		21	12		-		
		T	3,109	39	27	4	-		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

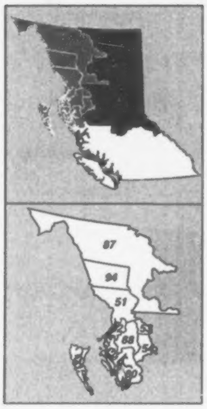
Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 072 Campbell River		M	20,774	225	153		3	40.6	76.8
		F	20,425	193	151		-	41.1	81.7
		T	41,199	418	304	247	4	40.8	79.2
Campbell River	C	M		175	118		3		
		F		160	139		-		
		T	30,983	335	257	178	4		
Sayward	VL	M		4	4		-		
		F		4	1		-		
		T	329	8	5	2	-		
LHA 084 Vancouver Island West		M	1,262	17	15		-	39.8	70.1*
		F	1,097	19	3		-	38.3	82.0*
		T	2,359	36	18	6	-	39.1	93.7
Gold River	VL	M		13	10		-		
		F		14	3		-		
		T	1,425	27	13	5	-		
Tahsis	VL	M		1	5		-		
		F		2			-		
		T	380	3	5	1	-		
LHA 085 Vancouver Island North		M	6,307	71	47		1	38.3	74.2
		F	5,688	76	37		-	37.5	77.9
		T	11,995	147	84	44	1	37.9	75.9
Alert Bay	VL	M		8	10		-		
		F		10	6		-		
		T	486	18	16	4	-		
Port Alice	VL	M		2	6		-		
		F		2	1		-		
		T	843	4	7	2	-		
Port Hardy	DM	M		42	21		1		
		F		37	19		-		
		T	3,864	79	40	18	1		
Port Mcneill	T	M		11	7		-		
		F		19	5		-		
		T	2,605	30	12	10	-		
Zeballos	VL	M		1			-		
		F					-		
		T	174	1		2	-		
TOTAL		**M**	**59,258**	**568**	**502**		**6**	**41.4**	**77.7**
		F	**59,534**	**534**	**430**		**4**	**42.3**	**82.4**
		T	**118,792**	**1,102**	**932**	**635**	**12**	**41.8**	**80.0**
HA 04 VANCOUVER ISLAND TOTAL		**M**	**362,713**	**3,329**	**3,511**		**32**	**41.9**	**78.7**
		F	**378,586**	**3,102**	**3,472**		**35**	**43.8**	**83.0**
		T	**741,299**	**6,431**	**6,983**	**4,575**	**70**	**42.8**	**80.9**



APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008



Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
HSDA 51 NORTHWEST									
LHA 050 Queen Charlotte		M	2,507	31	21		-	38.7	74.1
		F	2,293	20	13		-	38.5	82.3
		T	4,800	51	34	30	-	38.6	77.5
Masset	VL	M		12	6		-		
		F		5	6		-		
		T	912	17	12	9	-		
Port Clements	VL	M		2	4		-		
		F		1			-		
		T	461	3	4	3	-		
LHA 051 Snow Country		M	263	4	1		-	41.2	74.7
		F	259	3	1		-	39.1	76.2*
		T	522	7	2	3	-	40.1	81.4
Stewart	DM	M		4	1		-		
		F		3	1		-		
		T	476	7	2	3	-		
LHA 052 Prince Rupert		M	7,165	86	68		-	37.4	76.6
		F	7,124	92	48		1	37.7	81.8
		T	14,289	178	116	64	2	37.6	78.9
Port Edward	DM	M		2	3		-		
		F		4	2		-		
		T	585	6	5	4	-		
Prince Rupert	C	M		78	61		-		
		F		83	43		1		
		T	12,860	161	104	59	2		
LHA 053 Upper Skeena		M	2,826	29	14		-	35.8	77.6
		F	2,547	31	11		1	35.7	81.5*
		T	5,373	60	25	21	1	35.8	79.4
Hazelton	VL	M		18	9		-		
		F		16	8		1		
		T	271	34	17	14	1		
New Hazelton	DM	M		7	5		-		
		F		8	1		-		
		T	610	15	6	4	-		
LHA 054 Smithers		M	8,136	109	56		2	36.5	77.7
		F	7,742	96	42		1	37.1	81.5
		T	15,878	205	98	65	3	36.8	79.4
Houston	DM	M		20	13		1		
		F		15	4		1		
		T	2,999	35	17	14	2		
Smithers	T	M		49	25		-		
		F		36	26		-		
		T	5,257	85	51	29	-		
Telkwa	VL	M		14	4		1		
		F		14	5		-		
		T	1,359	28	9	6	1		
LHA 080 Kitimat		M	5,355	43	40		1	39.1	77.5
		F	4,861	48	27		-	39.0	81.5
		T	10,216	91	67	25	1	39.1	79.3
Kitimat	DM	M		36	35		1		
		F		41	26		-		
		T	9,182	77	61	22	1		

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type⁺	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 087 Stikine		M	527	3	2		-	40.3	74.7
		F	492	1	3		-	41.4	76.2*
		T	1,019	4	5	6	-	40.3	81.4
LHA 088 Terrace		M	10,317	140	84		1	37.1	76.9
		F	9,987	119	67		1	37.2	80.1
		T	20,304	259	151	82	2	37.2	78.4
Terrace	C	M		86	52		1		
		F		64	40		1		
		T	10,830	150	92	49	2		
LHA 092 Nisga'a		M	976	24	8		1	35.8	72.6*
		F	883	13	6		2	35.0	74.5*
		T	1,859	37	14	7	3	35.4	74.0
LHA 094 Telegraph Creek		M	328	3	3		-	34.1	74.7
		F	300	8	2		-	33.0	76.2*
		T	628	11	5	3	-	33.6	81.4
TOTAL		**M**	**38,400**	**472**	**297**		**5**	**37.4**	**76.7**
		F	**36,488**	**431**	**220**		**6**	**37.5**	**81.0**
		T	**74,888**	**903**	**517**	**306**	**12**	**37.4**	**78.7**

HSDA 52 NORTHERN INTERIOR

LHA 028 Quesnel		M	11,701	129	115		2	39.8	76.0
		F	11,633	131	88		1	40.3	81.7
		T	23,334	260	203	119	3	40.0	78.7
Quesnel	C	M		67	44		2		
		F		62	46		-		
		T	9,567	129	90	58	2		
Wells	DM	M		2	2		-		
		F		2			-		
		T	231	4	2	1	-		
LHA 055 Burns Lake		M	3,993	39	31		-	37.6	77.2
		F	3,690	40	14		1	38.2	80.4
		T	7,683	79	45	25	1	37.9	78.7
Burns Lake	VL	M		38	23		-		
		F		38	12		-		
		T	2,149	76	35	22	-		
Granisle	VL	M		1	5		-		
		F			2		-		
		T	390	1	7		-		
LHA 056 Nechako		M	7,716	112	64		1	37.0	75.0
		F	7,189	103	47		-	36.8	79.0
		T	14,905	215	111	77	1	36.9	76.9
Fort St. James	DM	M		27	16		1		
		F		36	14		-		
		T	1,351	63	30	23	1		
Fraser Lake	VL	M		13	10		-		
		F		13	5		-		
		T	1,118	26	15	10	-		
Vanderhoof	DM	M		65	34		-		
		F		49	24		-		
		T	3,865	114	58	27	-		
LHA 057 Prince George		M	49,091	588	334		5	37.0	76.3
		F	47,250	559	248		9	37.5	80.9
		T	96,341	1,147	582	455	14	37.2	78.5

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
Mackenzie	DM	M		25	8		1		
		F		21	5		-		
		T	4,612	46	13	8	1		
Mcbride	VL	M		7	5		-		
		F		8	10		-		
		T	678	15	15	6	-		
Prince George	C	M		488	283		4		
		F		455	204		7		
		T	74,092	943	487	342	11		
Valemount	VL	M		3	8		-		
		F		7	4		-		
		T	885	10	12	18	-		
TOTAL		**M**	**72,501**	**868**	**544**		**8**	**37.5**	**76.2**
		F	**69,762**	**833**	**397**		**11**	**37.9**	**80.8**
		T	**142,263**	**1,701**	**941**	**676**	**19**	**37.7**	**78.4**

HSDA 53 NORTHEAST

Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type*	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
LHA 059 Peace River South		M	13,906	191	82		-	36.7	76.8
		F	13,120	153	66		1	37.7	81.0
		T	27,026	344	148	139	1	37.2	78.8
Chetwynd	DM	M		38	12		-		
		F		35	11		-		
		T	2,639	73	23	17	-		
Dawson Creek	C	M		95	47		-		
		F		79	31		1		
		T	11,420	174	78	68	1		
Pouce Coupe	VL	M		13	11		-		
		F		5	7		-		
		T	720	18	18	8	-		
Tumbler Ridge	DM	M		19	3		-		
		F		14	7		-		
		T	2,440	33	10	11	-		
LHA 060 Peace River North		M	17,311	293	93		2	33.3	76.5
		F	15,980	309	59		3	33.2	81.4
		T	33,291	602	152	181	5	33.3	78.8
Fort St. John	C	M		175	58		-		
		F		199	40		2		
		T	18,760	374	98	87	2		
Hudson's Hope	DM	M		7	4		-		
		F		6	2		-		
		T	1,031	13	6	11	-		
Taylor	DM	M		19	6		1		
		F		16	3		-		
		T	1,468	35	9	14	1		
LHA 081 Fort Nelson		M	3,464	57	15		-	32.4	76.1
		F	2,979	46	8		-	31.3	80.5*
		T	6,443	103	23	23	-	31.9	78.3
Fort Nelson	T	M		55	15		-		
		F		45	8		-		
		T	4,664	100	23	21	-		
TOTAL		**M**	**34,681**	**541**	**190**		**2**	**34.6**	**76.5**
		F	**32,079**	**508**	**133**		**4**	**34.9**	**81.3**
		T	**66,760**	**1,049**	**323**	**343**	**6**	**34.7**	**78.8**

APPENDIX 1 – *continued*

STATISTICAL SUMMARIES BY HEALTH AUTHORITY, HEALTH SERVICE DELIVERY AREA, LOCAL HEALTH AREA AND COMMUNITY

BRITISH COLUMBIA, 2008

	Health Authority/ Health Service Delivery Area/ Local Health Area/ Community (Incorporated Only)	Type†	Gender	Population	Live Births	Deaths	Marriages	Stillbirths	Average Age Population	Life Expectancy (2004-2008)
HA 05	**NORTHERN TOTAL**		**M**	**145,582**	**1,881**	**1,031**		**15**	**36.8**	**76.4**
			F	**138,329**	**1,772**	**750**		**21**	**37.1**	**81.0**
			T	**283,911**	**3,653**	**1,781**	**1,325**	**37**	**36.9**	**78.6**
HA 06	**PROVINCIAL HEALTH SERVICE AUTHORITY (PROVINCIAL TOTAL)**		**M**	**2,172,755**	**22,768**	**16,305**		**207**	**39.4**	**78.9**
			F	**2,208,848**	**21,388**	**15,587**		**189**	**41.1**	**83.3**
			T	**4,381,603**	**44,156**	**31,892**	**22,960**	**424**	**40.2**	**81.1**

Note: Live births, stillbirths and deaths are assigned to communities based on the postal code of usual residence.

Marriages are assigned according to the place where the marriage ceremony was performed, and include non-residents.

Totals for gender include cases with unknown gender.

Population estimates and average age (2008) and life expectancy (2004 -2008) from BC STATS, Ministry of Citizens' Services.

† C=City, T=Town, VL=Village, DM=District Municipality, IGD= Indian Government District, IM=Island Municipality, RM=Resort Municipality.

Some communities span the boundaries of more than one LHA. When this occurs, the community is shown under the LHA containing the larger portion of the population.

HSDA 32 Vancouver Total may include unspecified Vancouver addresses.

*This may be too small a population size to estimate Life Expectancy with any confidence.

**LHAs 51, 87, 94 have been combined to have a common life expectancy as they individually include regions too small for calculation.

Appendix Two

Detailed Cause of Death by Gender and Age

British Columbia, 2008

Preamble to Appendix 2

Appendix 2 provides detailed causes of death by gender and age group for deaths that occurred in British Columbia to provincial residents in the current year. Causes of death are coded according to the World Health Organization's *International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10)*. ICD-10 defines the underlying cause of death as "(a) the disease or injury which initiated the train of events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury." ICD-10 codes consist of a letter followed by a two-digit number, and sometimes include a third digit to provide more specificity. In this appendix, the ICD-10 codes have been summed to the letter plus two-digit level and are presented only where there were at least five deaths from the specified cause.

The list below provides a summary of ICD-10 codes, including many of the subgroups used for underlying causes of death in this report:

Cause of Death Category	**ICD-10 Code(s)**
Certain infectious and parasitic diseases	A00-B99
Tuberculosis	A15-A19, B90
HIV disease	B20-B24
Neoplasms	C00-D48
Malignant neoplasms	C00-C97
Malignant neoplasm of colon and rectum	C18-C21
Malignant neoplasm of lung	C34
Malignant neoplasm of female breast	C500-C509
Diseases of blood and blood-forming organs and disorders involving the immune mechanism	D50-D89
Endocrine, nutritional, and metabolic diseases	E00-E90
Diabetes mellitus	E10-E14
Mental and behavioural disorders	F00-F99
Vascular/senile dementia	F01, F03
Psychoactive substance and drug use/abuse	F11-F16, F19
Diseases of the nervous system	G00-G99
Alzheimer's disease	G30
Diseases of the eye and adnexa	H00-H59
Diseases of the ear and mastoid process	H60-H95
Diseases of the circulatory system	I00-I99
Cardiovascular disease	I00-I51
Ischemic heart diseases	I20-I25
Cerebrovascular diseases	I60-I69
Atherosclerosis	I70
Diseases of the respiratory system	J00-J99
Pneumonia/Influenza (excluding hypostatic)	J10-J181, J188, J189
Chronic Pulmonary Disease	J40-J44
Asthma	J45-J46
Diseases of the digestive system	K00-K93
Diseases of liver	K70-K76
Chronic liver disease/cirrhosis	K70, K73-74, K760-K761
Diseases of the skin and subcutaneous tissue	L00-L99
Diseases of the musculoskeletal system and connective tissue	M00-M99

Diseases of the genitourinary system	N00-N99
Complications of pregnancy, childbirth, and the puerperium	O00-O99
Certain conditions originating in the perinatal period	P00-P96
Congenital malformations and chromosome abnormalities	Q00-Q99
Symptoms, signs and abnormal finding, unknown causes	R00-R99
Sudden infant death syndrome (SIDS)	R95
Cause of death unknown or pending	R96-R99
External causes	V01-Y98
Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V899, Y850
Other transport accidents	V01, V05-V06, V10-V11, V15-V18, V198-V199, V800-V802, V806-V809, V812-V819, V822-V829, V891, V893, V91, V93-V99, Y859
Unintentional drowning (including water transport)	V90, V92, W65-W74
Unintentional falls	W00-W19
Exposure to smoke, fire and flames	X00-X09
Unintentional poisoning	X40-X49
Suicide	X60-X84, Y870
Homicide	X85-Y09, Y871

APPENDIX 2

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
A04	Other bacterial intestinal infections	M	-	-	-	-	-	-	-	1	7	22	30
		F	-	-	-	-	-	-	-	-	10	38	48
A08	Viral and other specified intestinal infections	M	-	-	-	-	-	-	-	-	3	5	8
		F	-	-	-	-	-	-	-	-	1	5	6
A09	Diarrhoea and gastroenteritis of presumed infectious origin	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	1	1
A16	Respiratory tuberculosis	M	-	-	-	-	-	-	-	2	4	2	8
		F	-	-	-	-	1	-	-	1	-	4	6
A17	Tuberculosis of nervous system	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	-	1
A31	Infection due to other mycobacteria	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	-	-	1	1
A39	Meningococcal infection	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	-	1
A40	Streptococcal septicemia	M	-	-	-	1	-	-	1	1	-	2	5
		F	-	-	-	-	-	-	-	2	1	-	3
A41	Other septicemia	M	1	1	1	-	-	-	1	19	24	47	94
		F	-	-	-	-	-	-	3	15	28	65	111
A43	Nocardiosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	2	3
A48	Other bacterial diseases NOS	M	-	-	-	-	-	-	-	2	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
A49	Bacterial infection of unspecified site	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	1	1
A81	Atypical virus infections of central nervous system	M	-	-	-	-	-	-	1	1	2	-	4
		F	-	-	-	-	-	-	-	1	3	1	5
B00	Herpesviral [herpes simplex] infections	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	-	-	1
B01	Varicella [chickenpox]	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
B02	Zoster [herpes zoster]	M	1	-	-	-	-	-	-	-	-	2	3
		F	-	-	-	-	-	-	-	-	-	1	1
B16	Acute hepatitis B	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
B17	Other acute viral hepatitis	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
B18	Chronic viral hepatitis	M	-	-	-	-	-	-	7	61	10	4	82
		F	-	-	-	-	-	-	-	20	12	5	37
B20	HIV resulting in infectious and parasitic diseases	M	-	-	-	-	-	-	11	18	2	1	32
		F	-	-	-	-	-	-	6	5	-	-	11
B21	HIV resulting in malignant neoplasms	M	-	-	-	-	-	-	2	3	2	-	7
		F	-	-	-	-	-	-	1	1	-	-	2
B22	HIV resulting in other specified diseases	M	-	-	-	-	-	-	3	9	1	-	13
		F	-	-	-	-	-	-	-	2	-	-	2
B23	HIV disease resulting in other conditions	M	-	-	-	-	-	-	1	3	1	-	5
		F	-	-	-	-	-	-	-	3	-	-	3
B24	Unspecified HIV disease	M	-	-	-	-	-	-	1	-	1	1	3
		F	-	-	-	-	-	-	-	1	-	-	1
B25	Cytomegaloviral disease	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
B27	Infectious mononucleosis	M	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	1	-	-	-	-	-	1
B33	Other viral diseases, NOS	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
B34	Viral infection of unspecified site	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	-	5	5
B37	Candidiasis	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	1	-	1	-	
B44	Aspergillosis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
B45	Cryptococcosis	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
B49	**Unspecified mycosis**	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
B59	Pneumocystosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	-	1
B90	**Sequelae of tuberculosis**	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	2	2
B91	Post polio syndrome	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
B94	**Sequelae of other and unspecified infectious and parasitic diseases**	M	-	-	-	-	-	-	-	2	-	1	3
		F	-	-	-	-	-	-	-	-	1	1	2
B99	Other and unspecified infectious diseases	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	2	2
C00	**Malignant neoplasm of lip**	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	1	1
C01	Malignant neoplasm of base of tongue	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
C02	**Malignant neoplasm of other and unspecified parts of tongue**	M	-	-	-	-	-	-	2	14	9	11	36
		F	-	-	-	-	-	-	1	6	5	9	21
C04	Malignant neoplasm of floor of mouth	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	2	-	2
C05	**Malignant neoplasm of palate**	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
C06	Malignant neoplasm of other and unspecified parts of mouth	M	-	-	-	-	-	-	2	5	4	1	12
		F	-	-	-	-	-	-	-	1	2	5	8
C07	**Malignant neoplasm of parotid gland**	M	-	-	-	-	-	-	-	2	-	3	5
		F	-	-	-	-	-	-	-	-	-	-	-
C08	Malignant neoplasm of other and unspecified major salivary glands	M	-	-	-	-	-	-	1	-	3	-	4
		F	-	-	-	-	-	-	-	-	2	-	2
C09	**Malignant neoplasm of tonsil**	M	-	-	-	-	-	-	-	4	-	2	6
		F	-	-	-	-	-	-	-	1	1	-	2
C10	Malignant neoplasm of oropharynx	M	-	-	-	-	-	-	-	3	8	1	12
		F	-	-	-	-	-	-	-	-	1	-	1
C11	**Malignant neoplasm of nasopharynx**	M	-	-	-	-	-	-	2	5	8	2	17
		F	-	-	-	-	-	-	1	5	2	-	8
C12	Malignant neoplasm of pyriform sinus	M	-	-	-	-	-	-	-	-	3	-	3
		F	-	-	-	-	-	-	-	-	-	-	-
C13	**Malignant neoplasm of hypopharynx**	M	-	-	-	-	-	-	-	1	2	1	4
		F	-	-	-	-	-	-	-	1	-	-	1
C14	Malig. neop. of other & ill-defined sites in the lip, oral cavity and pharynx	M	-	-	-	-	-	-	-	5	6	5	16
		F	-	-	-	-	-	-	-	2	-	1	3
C15	**Malignant neoplasm of esophagus**	M	-	-	-	-	-	-	1	80	81	59	221
		F	-	-	-	-	-	-	1	13	28	24	66
C16	Malignant neoplasm of stomach	M	-	-	-	-	-	1	1	32	53	39	126
		F	-	-	-	-	-	1	6	17	24	44	92
C17	**Malignant neoplasm of small intestine**	M	-	-	-	-	-	-	-	3	7	5	15
		F	-	-	-	-	-	-	-	2	5	5	12
C18	Malignant neoplasm of colon	M	-	-	-	-	-	-	9	97	183	137	426
		F	-	-	-	-	-	-	6	63	123	183	375
C19	**Malignant neoplasm of rectosigmoid junction**	M	-	-	-	-	-	-	1	10	18	13	42
		F	-	-	-	-	-	-	-	14	6	9	29
C20	Malignant neoplasm of rectum	M	-	-	-	-	-	-	-	20	38	26	84
		F	-	-	-	-	-	-	-	14	15	29	58
C21	**Malignant neoplasm of anus and anal canal**	M	-	-	-	-	-	-	1	3	4	-	8
		F	-	-	-	-	-	-	-	1	3	1	5
C22	Malignant neoplasm of liver and intrahepatic bile ducts	M	-	-	-	-	-	-	4	63	83	37	187
		F	-	-	-	1	-	-	2	21	34	29	87
C23	**Malignant neoplasm of gallbladder**	M	-	-	-	-	-	-	1	4	5	3	13
		F	-	-	-	-	-	-	-	10	7	11	28
C24	Malignant neoplasm of other and unspecified parts of biliary tract	M	-	-	-	-	-	-	-	2	3	6	11
		F	-	-	-	-	-	-	1	1	8	3	13
C25	**Malignant neoplasm of pancreas**	M	-	-	-	-	-	-	-	66	100	70	236
		F	-	-	-	-	-	-	3	63	96	88	250

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
C26	**Malignant neoplasm of other and ill-defined digestive organs**	**M**	-	-	-	-	-	-	1	9	32	35	77
		F	-	-	-	-	-	-	1	5	26	37	69
C30	Malignant neoplasm of nasal cavity and middle ear	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	2	2
C31	**Malignant neoplasm of accessory sinuses**	**M**	-	-	-	-	-	-	-	3	1	3	7
		F	-	-	-	-	-	-	-	1	-	1	2
C32	Malignant neoplasm of larynx	M	-	-	-	-	-	-	-	18	21	4	43
		F	-	-	-	-	-	-	-	2	-	4	6
C34	**Malignant neoplasm of bronchus and lung**	**M**	-	-	-	-	-	-	5	312	583	317	1,217
		F	-	-	-	-	-	-	9	276	499	270	1,054
C37	Malignant neoplasm of thymus	M	-	-	-	-	-	-	-	2	-	-	2
		F	-	-	-	-	-	-	1	-	-	-	1
C38	**Malignant neoplasm of heart, mediastinum and pleura**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	4	2	1	7
C39	Malig. neop. of other & ill-defined sites in the resp. sys. & intrathoracic organs	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	1	1
C40	**Malignant neoplasm of bone and articular cartilage of limbs**	**M**	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	-	-	-	1	1	1	3
C41	Malig. neop. of bone & articular cart. of other and unspecified sites	M	-	-	-	-	3	-	1	4	6	6	20
		F	-	-	-	-	-	-	1	2	4	1	8
C43	**Malignant melanoma of skin**	**M**	-	-	-	-	-	2	4	22	38	17	83
		F	-	-	-	-	-	1	1	10	14	12	38
C44	Other malignant neoplasms of skin	M	-	-	-	-	-	-	1	4	6	8	19
		F	-	-	-	-	-	-	2	-	4	5	11
C45	**Mesothelioma**	**M**	-	-	-	-	-	-	-	7	31	14	52
		F	-	-	-	-	-	-	-	1	5	2	8
C47	Malignant neoplasm of peripheral nerves and autonomic nervous system	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	1	-	-	2
C48	**Malignant neoplasm of peritoneum & retro-peritoneum**	**M**	-	-	-	-	-	-	1	1	3	3	8
		F	-	-	-	-	-	-	-	4	5	5	14
C49	Malignant neoplasm of other connective and soft tissue	M	-	1	-	-	-	-	2	6	20	6	35
		F	-	-	1	-	1	1	-	8	9	6	26
C50	**Malignant neoplasm of breast**	**M**	-	-	-	-	-	-	-	3	1	2	6
		F	-	-	-	-	-	-	38	200	169	185	592
C51	Malignant neoplasm of vulva	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	3	-	5	9
C52	**Malignant neoplasm of vagina**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	2	1	9	12
C53	Malignant neoplasm of cervix uteri	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	6	14	10	11	41
C54	**Malignant neoplasm of corpus uteri**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	3	13	18	14	48
C55	Malignant neoplasm of uterus, part unspecified	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	11	14	11	37
C56	**Malignant neoplasm of ovary**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	4	72	106	68	250
C57	Malignant neoplasm of other and unspecified female genital organs	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	4	1	5
C60	**Malignant neoplasm of penis**	**M**	-	-	-	-	-	-	1	2	1	2	6
		F	-	-	-	-	-	-	-	-	-	-	-
C61	Malignant neoplasm of prostate	M	-	-	-	-	-	-	1	38	170	303	512
		F	-	-	-	-	-	-	-	-	-	-	-
C62	**Malignant neoplasm of testis**	**M**	-	-	-	-	1	-	2	1	1	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
C63	Malignant neoplasm of other and unspecified male genital organs	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
C64	**Malignant neoplasm of kidney, except renal pelvis**	**M**	-	1	-	-	-	-	1	37	64	33	136
		F	-	-	-	-	-	1	5	11	29	24	70
C65	Malignant neoplasm of renal pelvis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	-	1
C66	**Malignant neoplasm of ureter**	**M**	-	-	-	-	-	-	-	1	-	2	3
		F	-	-	-	-	-	-	-	-	1	2	3

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
C67	**Malignant neoplasm of bladder**	M	-	-	-	-	-	-	1	23	88	91	203
		F	-	-	-	-	-	-	2	10	25	34	71
C68	Malignant neoplasm of other and unspecified urinary organs	M	-	-	-	-	-	-	-	3	3	7	13
		F	-	-	-	-	-	-	-	3	-	-	3
C69	**Malignant neoplasm of eye and adnexa**	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	1	-	-	-	-	1	-	-	-	2
C70	Malignant neoplasm of meninges	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	-	1
C71	**Malignant neoplasm of brain**	M	-	-	1	1	1	-	6	58	43	18	128
		F	1	-	1	1	-	1	12	40	41	17	114
C72	Malig. neop. of spinal cord, cranial nerves & other parts of cent. nerv. sys.	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	1	-	1	-	2
C73	**Malignant neoplasm of thyroid gland**	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	3	2	10	5	20
C74	Malignant neoplasm of adrenal gland	M	-	-	-	1	1	-	-	1	1	-	4
		F	-	1	-	-	-	1	-	2	2	1	7
C75	**Malignant neoplasm of other endocrine glands and related structures**	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
C76	Malignant neoplasm of other and ill-defined sites	M	-	-	-	-	-	-	-	8	4	10	22
		F	-	-	-	-	-	-	-	1	6	8	15
C80	**Malignant neoplasm - primary site unknown**	M	-	-	-	-	-	-	2	39	68	61	170
		F	-	-	-	-	-	-	3	33	64	72	172
C81	Hodgkin's disease	M	-	-	-	-	-	-	-	2	1	2	5
		F	-	-	-	-	-	-	-	2	1	2	5
C82	**Follicular [nodular] non-Hodgkin's lymphoma**	M	-	-	-	-	-	-	-	4	1	-	5
		F	-	-	-	-	-	-	-	1	-	-	1
C83	Diffuse non-Hodgkin's lymphoma	M	-	-	-	-	-	-	2	4	10	6	22
		F	-	-	-	-	-	-	-	2	6	4	12
C84	**Peripheral and cutaneous T-cell lymphomas**	M	-	-	-	-	-	-	1	2	2	1	6
		F	-	-	-	-	-	-	-	1	1	3	5
C85	Other and unspecified types of non-Hodgkin's lymphoma	M	-	-	-	-	-	-	1	35	53	52	141
		F	-	-	-	-	-	-	2	19	42	52	115
C88	**Malignant immunoproliferative diseases**	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	-	1	-	1
C90	Multiple myeloma and malignant plasma cell neoplasms	M	-	-	-	-	-	-	1	17	33	27	78
		F	-	-	-	-	-	-	1	14	24	28	67
C91	**Lymphoid leukemia**	M	-	-	-	2	1	1	1	10	29	27	71
		F	-	-	-	-	-	1	3	5	16	22	47
C92	Myeloid leukemia	M	1	-	-	-	-	-	1	18	25	23	68
		F	-	-	-	-	1	-	4	12	26	14	57
C93	**Monocytic leukaemia**	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
C94	Other leukaemias of specified cell type	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
C95	**Leukemia of unspecified cell type**	M	-	-	-	1	-	1	1	4	16	22	45
		F	-	-	-	-	-	-	-	3	12	11	26
D03	Melanoma in situ	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
D12	**Benign neoplasm of colon, rectum, anus and anal canal**	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
D16	Benign neoplasm of bone and articular cartilage	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D17	**Benign lipomatous neoplasm**	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D18	Benign haemangioma and lymphangioma, any site	M	1	-	-	-	-	-	-	-	1	1	3
		F	-	-	-	-	-	-	-	-	-	-	-
D21	**Other benign neoplasms of connective and other soft tissue**	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
D32	Benign neoplasm of meninges	M	-	-	-	-	-	-	-	1	2	2	5
		F	-	-	-	-	-	-	-	2	2	2	6
D33	**Benign neoplasm of brain and other parts of central nervous system**	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
D35	**Benign neoplasm of other and unspecified endocrine glands**	**M**	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D36	Benign neoplasm of other and unspecified sites	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	1	1	2
D37	**Neoplasm of uncer./unk. behaviour of oral cavity and digestive organs**	**M**	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	1	1	4	6
D38	Neoplasm of uncer./unk. behaviour of mid. ear, resp. and intrathoracic organs	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	1	2	-	3
D39	**Neoplasm of uncertain or unknown behaviour of female genital organs**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	2	2
D41	Neoplasm of uncertain or unknown behaviour of urinary organs	M	-	-	-	-	-	-	-	-	-	3	3
		F	-	-	-	-	-	-	-	-	-	1	1
D43	**Neoplasm of uncer./unk. behaviour of brain & central nervous system**	**M**	1	-	-	-	-	-	1	1	-	5	8
		F	-	-	1	-	-	-	-	1	-	6	8
D44	Neoplasm of uncertain or unknown behaviour of endocrine glands	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
D45	**Polycythemia vera**	**M**	-	-	-	-	-	-	-	-	2	-	2
		F	-	-	-	-	-	-	-	-	2	1	3
D46	Myelodysplastic syndromes	M	-	-	-	-	-	-	-	3	19	24	46
		F	-	-	-	-	-	-	-	3	6	16	25
D47	**Neoplasm of uncer./unk. behaviour of lymphoid, hematopoietic & rel. tissue**	**M**	-	-	-	-	-	-	-	3	7	17	27
		F	-	-	-	-	-	-	-	-	8	4	12
D48	Neoplasm of uncer./unk. behaviour of other and unspecified sites	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	1	2	2	2	7
D50	**Iron deficiency anaemia**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	2	2
D58	Other hereditary haemolytic anaemias	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
D59	**Acquired haemolytic anaemia**	**M**	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
D61	Other aplastic anemias	M	-	-	-	-	-	-	1	2	1	2	6
		F	-	-	-	-	-	-	-	1	-	4	5
D64	**Other anemias**	**M**	-	-	-	-	-	-	-	-	4	10	14
		F	-	-	-	1	-	-	-	-	1	28	30
D65	Disseminated intravascular coagulation [defibrination syndrome]	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	1	-	-	1	2
D66	**Hereditary factor VIII deficiency**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D68	Other coagulation defects	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	2	2	1	1	6
D69	**Purpura and other hemorrhagic conditions**	**M**	-	-	-	-	-	-	-	-	4	-	4
		F	-	-	-	-	-	-	-	1	-	-	1
D70	Agranulocytosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	2	3
D75	**Other diseases of blood and blood-forming organs**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	3	3
D76	Certain dis. involving lymphoreticular tissue & reticulohistiocytic system	M	1	-	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D82	**Immunodeficiency associated with other major defects**	**M**	-	1	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D84	Other immunodeficiencies	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
D86	**Sarcoidosis**	**M**	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	1	-	1	2	4
E03	Other hypothyroidism	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	-	1	3	4
E05	**Thyrotoxicosis [hyperthyroidism]**	**M**	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	2	2
E06	Thyroiditis	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
E10	**Insulin-dependent diabetes mellitus**	**M**	1	-	-	-	1	-	5	7	8	5	27
		F	-	-	-	-	1	1	2	3	8	8	23

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
E11	**Non-insulin-dependent diabetes mellitus**	**M**	-	-	-	-	-	-	-	20	45	63	128
		F	-	-	-	-	-	-	-	8	33	62	103
E14	Diabetes mellitus NOS	M	-	-	-	-	-	-	6	68	181	155	410
		F	-	-	-	-	-	-	1	34	98	197	330
E16	**Other disorders of pancreatic internal secretion**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	1	-	1
E21	Hyperparathyroidism and other disorders of parathyroid gland	M	-	-	-	-	-	1	-	-	-	1	2
		F	-	-	-	-	-	-	-	-	-	1	1
E23	**Hypofunction and other disorders of pituitary gland**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	-	-	1
E27	Other disorders of adrenal gland	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	-	2	3
E43	**Unspecified severe protein-energy malnutrition**	**M**	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	1	1
E46	Unspecified protein-energy malnutrition	M	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	3	5	8
E63	**Other nutritional deficiencies**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	2	2
E66	Obesity	M	-	-	-	-	-	-	3	12	6	1	22
		F	-	-	-	-	-	-	-	8	8	6	22
E72	**Other disorders of amino-acid metabolism**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	1	-	-	-	-	-	1	-	-	-	2
E74	Other disorders of carbohydrate metabolism	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	-	1
E75	**Disorders of sphingolipid metabolism and other lipid storage disorders**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
E76	Disorders of glycosaminoglycan metabolism	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	1	-	-	-	-	-	1
E78	**Disorders of lipoprotein metabolism and other lipidemias**	**M**	-	-	-	-	-	-	1	11	13	22	47
		F	-	-	-	-	-	-	-	2	8	13	23
E83	Disorders of mineral metabolism	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	-	-	-	-	-	1	2	3
E84	**Cystic fibrosis**	**M**	-	-	-	-	1	-	1	-	-	-	2
		F	-	-	-	-	1	-	-	1	-	-	2
E85	Amyloidosis	M	-	-	-	-	-	-	-	4	10	3	17
		F	-	-	-	-	-	-	-	3	6	2	11
E86	**Volume depletion**	**M**	-	-	-	-	-	-	-	1	1	8	10
		F	-	-	-	-	-	-	-	1	4	32	37
E87	Other disorders of fluid, electrolyte and acid-base balance	M	-	-	-	-	-	-	1	-	1	5	7
		F	1	-	-	-	-	-	-	3	1	9	14
E88	**Other metabolic disorders**	**M**	-	-	-	-	-	-	-	3	-	3	6
		F	1	-	-	-	-	-	1	1	-	2	5
F03	Unspecified dementia	M	-	-	-	-	-	-	-	5	58	276	339
		F	-	-	-	-	-	-	-	4	52	590	646
F05	**Delirium, not induced by alcohol and other psychoactive substances**	**M**	-	-	-	-	-	-	-	-	3	11	14
		F	-	-	-	-	-	-	-	-	-	10	10
F06	Oth. mental disord. due to brain damage & dysfunction & phys. dis.	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	-	1	2
F10	**Mental and behavioural disorders due to use of alcohol**	**M**	-	-	-	-	-	1	1	49	30	6	87
		F	-	-	-	-	-	-	3	12	9	1	25
F14	Use of cocaine	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	-	3	-	-	-	3
F15	**Mental & behavioural disorders due to use of other stimulants, including caffe**	**M**	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	1	-	-	-	-	-	1
F17	Use of tobacco	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
F19	**Multiple drug misuse and misuse of other psychoactive substances**	**M**	-	-	-	-	-	1	2	5	-	-	8
		F	-	-	-	-	-	1	-	1	-	-	2
F20	Schizophrenia	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	1	-	1	3	5
F22	**Persistent delusional disorders**	**M**	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
F31	**Bipolar affective disorder**	M	-	-	-	-	-	-	-	2	-	-	2
		F	-	-	-	-	-	-	-	2	1	-	3
F32	Depressive episode	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	4	4
F33	**Recurrent depressive disorder**	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
F50	Eating disorders	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	1	-	1	-	2	4
F55	**Abuse of non-dependence producing substances**	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
F72	Severe mental retardation	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
F79	**Unspecified mental retardation**	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
F84	Pervasive developmental disorders	M	-	-	-	-	-	1	-	-	-	-	1
		F	-	-	-	-	-	-	-	1	-	-	1
G00	**Bacterial meningitis, NEC**	M	1	-	-	-	-	-	-	1	1	-	3
		F	-	1	-	-	-	-	-	1	-	-	2
G03	Meningitis due to other and unspecified causes	M	1	-	-	-	-	-	-	2	-	-	3
		F	-	-	-	-	-	-	-	-	1	-	1
G04	**Encephalitis, myelitis and encephalomyelitis**	M	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	-	1	1
G06	Intracranial and intraspinal abscess and granuloma	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	1	2	1	-	4
G10	**Huntington's disease**	M	-	-	-	-	-	-	3	2	1	-	6
		F	-	-	-	-	-	-	-	7	2	1	10
G11	Hereditary ataxia	M	-	-	-	-	-	-	1	1	1	1	4
		F	-	-	-	-	-	-	-	1	-	-	1
G12	**Spinal muscular atrophy and related syndromes**	M	-	-	-	-	-	-	3	17	32	13	65
		F	1	1	-	-	-	-	-	13	26	9	50
G20	Parkinson's disease	M	-	-	-	-	-	-	-	5	56	85	146
		F	-	-	-	-	-	-	-	-	30	89	119
G21	**Secondary parkinsonism**	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
G23	Other degenerative diseases of basal ganglia	M	-	-	-	-	-	-	-	3	2	-	5
		F	-	-	-	-	-	-	-	-	-	1	1
G24	**Dystonia**	M	-	-	-	-	-	-	1	1	-	-	2
		F	-	-	-	-	-	-	-	-	-	1	1
G30	Alzheimer's disease	M	-	-	-	-	-	-	-	4	41	154	199
		F	-	-	-	-	-	-	-	4	67	375	446
G31	**Other degenerative diseases of nervous system, NEC**	M	-	2	-	-	-	-	-	8	17	16	43
		F	-	1	-	-	-	-	-	-	10	10	21
G35	Multiple sclerosis	M	-	-	-	-	-	-	3	8	8	3	22
		F	-	-	-	-	-	-	1	16	13	6	36
G37	**Other demyelinating diseases of central nervous system**	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	1	-	2
G40	Epilepsy	M	-	1	-	-	2	3	2	2	1	-	11
		F	-	1	1	-	1	1	2	2	2	-	10
G41	**Status epilepticus**	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	1	-	2
G45	Transient cerebral ischemic attacks and related syndromes	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	1	3	4
G47	**Sleep disorders**	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	1	1	-	2
G58	Other mononeuropathies	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
G61	**Inflammatory polyneuropathy**	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
G62	Other polyneuropathies	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	-	-	1	-	1
G70	**Other myoneural disorders**	M	-	-	-	-	-	-	-	-	-	4	4
		F	-	-	-	-	-	-	-	-	4	2	6

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
G71	**Primary disorders of muscles**	**M**	**-**	**-**	**1**	**-**	**1**	**-**	**3**	**2**	**2**	**3**	**12**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**3**	**2**	**1**	**7**
G72	Other myopathies	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
G80	**Infantile cerebral palsy**	**M**	**-**	**-**	**1**	**-**	**-**	**3**	**-**	**1**	**1**	**-**	**6**
		F	**-**	**-**	**-**	**-**	**1**	**1**	**1**	**2**	**2**	**-**	**7**
G81	Hemiplegia	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	1	1
G82	**Paraplegia and tetraplegia**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**1**	**1**	**4**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**1**
G83	Other paralytic syndromes	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
G90	**Disorders of autonomic nervous system**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**1**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4**	**-**	**4**
G91	Hydrocephalus (acquired)	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	1	1	2	4
G93	**Other disorders of brain**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**3**	**7**	**7**	**18**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4**	**10**	**3**	**17**
G95	Other diseases of spinal cord	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	-	1
G96	**Other disorders of central nervous system**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**-**	**1**
G98	Other disorders of nervous system, NEC	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
H57	**Other disorders of eye and adnexa**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**
H66	Suppurative and unspecified otitis media	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	-	-	-	1
I01	**Rheumatic fever with heart involvement**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**-**	**1**
I05	Rheumatic mitral valve diseases	M	-	-	-	-	-	-	-	2	7	6	15
		F	-	-	-	-	-	-	-	1	8	7	16
I06	**Rheumatic aortic valve diseases**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**
I07	Rheumatic tricuspid valve diseases	M	-	-	-	-	-	-	-	-	-	5	5
		F	-	-	-	-	-	-	1	-	1	3	5
I08	**Multiple valve diseases**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**5**	**4**	**9**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**6**	**13**	**20**
I09	Other rheumatic heart diseases	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	-	3	2	5
I10	**Essential (primary) hypertension**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**6**	**19**	**27**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3**	**6**	**51**	**60**
I11	Hypertensive heart disease	M	-	-	-	-	-	-	1	7	10	20	38
		F	-	-	-	-	-	-	-	2	8	53	63
I12	**Hypertensive renal disease**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**13**	**39**	**54**
		F	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**2**	**14**	**54**	**71**
I13	Hypertensive heart and renal disease	M	-	-	-	-	-	-	-	-	4	6	10
		F	-	-	-	-	-	-	-	-	1	12	13
I20	**Angina pectoris**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**-**	**1**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**2**
I21	Acute MI	M	-	-	-	-	-	-	9	253	411	523	1,196
		F	-	-	-	-	-	-	6	66	179	682	933
I22	**Subsequent MI**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
I24	Other acute ischemic heart diseases	M	-	-	-	-	-	-	-	7	21	26	54
		F	-	-	-	-	-	-	-	3	6	35	44
I25	**Chronic ischemic heart disease**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**17**	**252**	**397**	**629**	**1,295**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**50**	**183**	**852**	**1,086**
I26	Pulmonary embolism	M	-	-	-	-	-	-	4	13	13	13	43
		F	-	-	-	-	-	-	4	5	9	14	32
I27	**Other pulmonary heart diseases**	**M**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**3**	**3**	**2**	**9**
		F	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**6**	**9**	**8**	**24**

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
I31	Other diseases of pericardium	M	-	-	-	-	-	-	-	-	6	4	10
		F	-	-	-	-	-	-	-	1	2	-	3
I33	Acute and subacute endocarditis	M	-	-	-	-	-	-	2	3	2	-	7
		F	-	-	-	-	-	-	1	3	3	1	8
I34	Nonrheumatic mitral valve disorders	M	-	-	-	-	-	-	2	1	7	10	20
		F	-	-	-	-	-	-	-	3	1	14	18
I35	Nonrheumatic aortic valve disorders	M	-	-	-	-	-	-	2	3	19	53	77
		F	-	-	-	-	-	-	-	5	14	73	92
I38	Endocarditis	M	-	-	-	-	-	-	-	4	14	19	37
		F	-	-	-	-	-	-	-	1	8	41	50
I40	Acute myocarditis	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	1	-	-	-	1
I42	Cardiomyopathy	M	-	-	-	1	1	1	6	30	40	48	127
		F	-	-	-	-	-	-	2	4	12	36	54
I44	Atrioventricular and left bundle-branch block	M	-	-	-	-	-	-	-	-	3	-	3
		F	-	-	-	-	-	-	-	1	-	3	4
I45	Other conduction disorders	M	-	-	-	-	-	-	1	-	1	4	6
		F	-	-	-	1	-	-	1	-	1	-	3
I46	Cardiac arrest	M	-	-	-	-	-	-	-	-	9	9	18
		F	-	-	-	-	-	-	-	1	3	17	21
I47	Paroxysmal tachycardia	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	2	3
I48	Atrial fibrillation and flutter	M	-	-	-	-	-	-	-	3	28	105	136
		F	-	-	-	-	-	-	-	2	26	177	205
I49	Other cardiac arrhythmias	M	-	-	-	-	-	-	2	5	9	26	42
		F	-	-	-	-	-	-	1	7	8	30	46
I50	Heart failure	M	-	-	-	-	-	-	-	15	52	254	321
		F	-	-	-	-	-	-	1	3	44	417	465
I51	Complications and ill-defined descriptions of heart disease	M	-	-	-	-	-	-	3	9	16	15	43
		F	-	-	-	-	-	-	1	3	8	43	55
I60	Subarachnoid hemorrhage	M	-	-	-	-	-	-	2	7	8	6	23
		F	-	-	-	-	-	-	4	22	13	11	50
I61	Intracerebral hemorrhage	M	-	-	-	-	-	-	3	19	43	46	111
		F	-	-	-	-	-	-	-	9	33	75	117
I62	Other nontraumatic intracranial hemorrhage	M	-	1	-	-	-	-	2	10	18	26	57
		F	-	-	-	-	-	-	1	8	16	37	62
I63	Cerebral infarction	M	-	-	-	-	-	-	-	4	20	26	50
		F	-	-	-	-	-	-	2	5	13	39	59
I64	CVA, NOS	M	-	-	-	-	-	-	3	23	161	379	566
		F	-	-	-	-	-	-	3	18	121	813	955
I65	Occlusion and stenosis of precerebral arteries, not resulting in cereb. infarction	M	-	-	-	-	-	-	-	1	3	1	5
		F	-	-	-	-	-	-	-	1	-	4	5
I67	Other cerebrovascular diseases	M	-	-	-	-	-	-	1	4	25	65	95
		F	-	-	-	-	1	-	-	3	11	119	134
I69	Sequelae of cerebrovascular disease	M	-	-	-	-	-	-	-	1	20	25	46
		F	-	-	-	-	-	-	-	2	14	58	74
I70	Atherosclerosis	M	-	-	-	-	-	-	1	8	6	25	40
		F	-	-	-	-	-	-	-	-	5	37	42
I71	Aortic aneurysm and dissection	M	-	-	-	-	-	-	4	25	52	63	144
		F	-	-	-	-	-	-	-	12	36	52	100
I72	Other aneurysm	M	-	-	-	-	-	-	-	1	2	3	6
		F	-	-	-	-	-	-	-	2	-	4	6
I73	Other peripheral vascular diseases	M	-	-	-	-	-	-	-	7	14	26	47
		F	-	-	-	-	-	-	-	3	12	45	60
I74	Arterial embolism and thrombosis	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	2	-	6	8
I77	Other disorders of arteries & arterioles	M	-	-	-	-	-	-	-	3	8	6	17
		F	-	-	-	1	-	-	-	-	3	3	7
I80	Phlebitis and thrombophlebitis	M	-	-	-	-	-	-	2	4	4	2	12
		F	-	-	-	-	-	-	1	4	-	6	11
I81	Portal vein thrombosis	M	-	-	-	-	-	-	-	-	2	-	2
		F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
I82	Other venous embolism and thrombosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
I83	Varicose veins of lower extremities	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
I85	Oesophageal varices	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	2	-	-	2
I87	Other disorders of veins	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
I88	Nonspecific lymphadenitis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
I99	Other and unspecified disorders of circulatory system	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	1	1
J05	Acute obstructive laryngitis [croup] and epiglottitis	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
J06	Acute upper respiratory infections of multiple and unspecified sites	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
J10	Influenza due to identified influenza virus	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	2	1	4	7
J11	Influenza, virus not identified	M	-	-	-	-	-	-	-	-	4	7	11
		F	-	-	-	-	-	-	-	-	-	10	10
J12	Viral pneumonia, NEC	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	1	2	3
J13	Pneumonia due to Streptococcus pneumoniae	M	-	-	-	-	-	-	1	2	-	-	3
		F	-	-	-	-	-	-	1	1	-	1	3
J14	Pneumonia due to Haemophilus influenzae	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	1	2
J15	Bacterial pneumonia, NEC	M	-	-	-	-	-	-	-	6	5	3	14
		F	-	-	-	-	-	-	1	5	2	4	12
J18	Pneumonia, organism unspecified	M	-	-	-	-	-	1	11	49	122	399	582
		F	-	-	-	-	-	1	8	29	85	516	639
J20	Acute bronchitis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	2	2
J22	Unspecified acute lower respiratory infection	M	-	-	-	-	-	-	-	-	2	1	3
		F	-	-	-	-	-	-	-	-	-	4	4
J34	Other disorders of nose and nasal sinuses	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
J40	Bronchitis, not specified as acute or chronic	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	-	-	3	3
J42	Unspecified chronic bronchitis	M	-	-	-	-	-	-	-	-	-	2	2
		F	-	-	-	-	-	-	-	-	-	4	4
J43	Emphysema	M	-	-	-	-	-	-	-	7	21	21	49
		F	-	-	-	-	-	-	-	6	16	28	50
J44	Other chronic obstructive pulmonary disease	M	1	-	-	-	-	-	2	60	263	424	750
		F	-	-	-	-	-	-	-	38	205	386	629
J45	Asthma	M	-	-	-	-	-	-	2	4	5	10	21
		F	-	-	-	-	-	-	2	2	9	25	38
J46	Status asthmaticus	M	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
J47	Bronchiectasis	M	-	-	-	-	-	-	-	1	4	4	9
		F	-	-	-	-	-	-	-	1	6	14	21
J60	Coalworker's pneumoconiosis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
J61	Pneumoconiosis due to asbestos and other mineral fibres	M	-	-	-	-	-	-	-	-	4	6	10
		F	-	-	-	-	-	-	-	-	-	-	-
J62	Pneumoconiosis due to dust containing silica	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	-	-	-	1
J67	Hypersensitivity pneumonitis due to organic dust	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	2	-	2
J69	Aspiration pneumonia due to solids and liquids	M	-	-	-	-	-	1	-	9	37	79	126
		F	-	-	-	-	1	1	1	5	11	88	107
J70	Respiratory conditions due to other external agents	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10 Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
J80 Adult respiratory distress syndrome	**M**	-	-	-	-	-	-	1	-	1	3	5
	F	-	-	-	-	-	-	-	1	-	-	1
J82 Pulmonary eosinophilia, NEC	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
J84 Other interstitial pulmonary diseases	**M**	-	-	-	-	-	-	-	14	61	59	134
	F	-	-	-	-	-	-	1	13	34	46	94
J85 Abscess of lung and mediastinum	M	-	-	-	-	-	-	-	1	2	-	3
	F	1	-	-	-	-	-	1	2	1	1	6
J86 Pyothorax	**M**	-	-	-	-	-	-	1	3	2	1	7
	F	-	-	-	-	-	-	1	-	1	-	2
J90 Pleural effusion, NEC	M	-	-	-	-	-	-	-	-	4	2	6
	F	-	-	-	-	-	-	-	-	2	1	3
J93 Pneumothorax (spontaneous)	**M**	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
J94 Other pleural conditions	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
J96 Respiratory failure, NEC	**M**	-	-	-	-	-	-	-	-	2	3	5
	F	-	-	-	-	-	-	-	-	1	10	11
J98 Other respiratory disorders	M	-	1	-	-	-	-	1	3	4	12	21
	F	-	-	-	-	-	-	-	-	4	22	26
K04 Diseases of pulp and periapical tissues	**M**	-	-	-	-	-	-	-	1	1	-	2
	F	-	-	-	-	-	-	-	-	-	-	-
K11 Diseases of salivary glands	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	2	2
K12 Stomatitis and related lesions	**M**	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
K20 Oesophagitis	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
K21 Gastro-esophageal reflux disease	**M**	-	-	-	-	-	-	-	1	1	3	5
	F	-	-	-	-	-	-	-	-	1	2	3
K22 Other diseases of esophagus	M	-	-	-	-	-	-	1	1	4	6	12
	F	-	-	-	-	-	-	-	1	1	7	9
K25 Gastric ulcer	**M**	-	-	-	-	-	-	-	2	5	4	11
	F	-	-	-	-	-	-	-	-	1	1	2
K26 Duodenal ulcer	M	-	-	-	-	-	-	-	5	5	7	17
	F	-	-	-	-	-	-	-	3	7	7	17
K27 Peptic ulcer	**M**	-	-	-	-	-	-	-	-	1	5	6
	F	-	-	-	-	-	-	-	-	2	8	10
K28 Gastrojejunal ulcer	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
K29 Gastritis and duodenitis	**M**	-	-	-	-	-	-	-	1	-	2	3
	F	-	-	-	-	-	-	-	3	1	2	
K30 Dyspepsia	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
K31 Other diseases of stomach and duodenum	**M**	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	2	1	3
K35 Acute appendicitis	M	-	-	-	-	-	-	-	1	-	3	4
	F	-	-	-	-	-	-	-	-	1	-	1
K40 Inguinal hernia	**M**	-	-	-	-	-	-	-	1	3	3	7
	F	-	-	-	-	-	-	-	-	2	1	3
K41 Femoral hernia	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	2	2
K42 Umbilical hernia	**M**	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
K43 Ventral hernia	M	-	-	-	-	-	-	-	1	1	4	6
	F	-	-	-	-	-	-	-	-	-	-	-
K44 Diaphragmatic hernia	**M**	-	-	-	-	-	-	-	-	-	3	3
	F	-	-	-	-	-	-	-	-	1	7	8
K45 Other abdominal hernia	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
K46 Unspecified abdominal hernia	**M**	-	-	-	-	-	-	-	-	1	2	3
	F	-	-	-	-	-	-	-	-	1	3	4

Notes are included at end of Appendix 2.

Appendix 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

British Columbia, 2008

ICD-10 Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
K50 Crohn's disease	M	-	-	-	-	-	-	-	3	3	2	8
	F	-	-	-	-	-	-	-	-	-	2	2
K51 Ulcerative colitis	M	-	-	-	-	-	-	-	1	1	2	4
	F	-	-	-	-	-	-	-	-	1	-	1
K52 Other noninfective gastroenteritis and colitis	M	-	-	-	-	-	-	-	1	4	12	17
	F	1	-	-	-	-	-	-	1	6	25	33
K55 Vascular disorders of intestine	M	-	-	-	-	-	-	1	3	21	15	40
	F	-	-	-	-	-	-	-	2	33	56	91
K56 Paralytic ileus and intestinal obstruction without hernia	M	-	-	-	-	-	-	-	4	15	37	56
	F	-	-	-	-	-	-	1	2	10	43	56
K57 Diverticular disease of intestine	M	-	-	-	-	-	-	-	2	4	12	18
	F	-	-	-	-	-	-	-	1	8	33	42
K59 Other functional intestinal disorders	M	-	-	-	-	-	-	-	2	2	2	6
	F	-	-	-	-	-	-	-	-	2	1	3
K61 Abscess of anal and rectal regions	M	-	-	-	-	-	-	-	-	1	1	2
	F	-	-	-	-	-	-	-	-	-	1	1
K62 Other diseases of anus and rectum	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
K63 Other diseases of intestine	M	-	-	-	-	-	-	-	1	6	4	11
	F	-	-	-	-	-	-	-	-	6	16	22
K65 Peritonitis	M	-	-	-	-	-	-	-	3	1	4	8
	F	-	-	-	-	-	-	-	1	1	6	8
K66 Other disorders of peritoneum	M	-	-	-	-	-	-	1	-	1	1	3
	F	-	-	-	-	-	-	-	-	-	-	-
K70 Alcoholic liver disease	M	-	-	-	-	-	-	15	124	46	9	194
	F	-	-	-	-	-	-	14	61	17	-	92
K71 Toxic liver disease	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	1	-	-	1
K72 Hepatic failure	M	-	-	-	-	1	-	2	8	3	6	20
	F	-	-	-	-	-	-	-	5	7	4	16
K73 Chronic hepatitis, NOS	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
K74 Fibrosis and cirrhosis of liver	M	-	-	-	-	-	-	1	22	23	7	53
	F	-	-	-	-	-	1	-	9	22	15	47
K75 Other inflammatory liver diseases	M	-	-	-	-	-	-	-	1	4	-	5
	F	-	-	-	-	-	-	1	2	3	2	8
K76 Other diseases of liver	M	-	-	-	-	-	-	1	4	7	3	15
	F	-	-	-	-	-	-	1	6	3	1	11
K80 Cholelithiasis	M	-	-	-	-	-	-	-	1	4	8	13
	F	-	-	-	-	-	-	-	-	-	5	5
K81 Cholecystitis	M	-	-	-	-	-	-	-	1	7	8	16
	F	-	-	-	-	-	-	-	1	3	8	12
K82 Other diseases of gallbladder	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	-	4	4
K83 Other diseases of biliary tract	M	-	-	-	-	-	-	-	-	3	2	5
	F	-	-	-	-	-	-	-	-	4	11	15
K85 Acute pancreatitis	M	-	-	-	-	-	-	3	9	9	2	23
	F	-	-	-	-	-	-	1	-	7	4	12
K86 Other diseases of pancreas	M	-	-	-	-	-	-	1	-	3	-	4
	F	-	-	-	-	-	-	-	-	-	4	4
K90 Intestinal malabsorption	M	1	-	-	-	-	-	-	1	1	-	3
	F	-	-	-	-	-	-	-	-	1	1	2
K92 Other diseases of digestive system	M	-	-	-	-	-	-	1	13	22	48	84
	F	-	-	-	-	-	-	1	6	14	88	109
L02 Carbuncles	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	3	3
L03 Cellulitis	M	-	-	-	-	-	-	1	-	4	9	14
	F	-	-	-	-	-	-	-	1	-	11	12
L04 Acute lymphadenitis	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
L08 Other local infections of skin and subcutaneous tissue	M	-	-	-	-	-	-	-	1	1	2	4
	F	-	-	-	-	-	-	-	-	-	3	3

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
L10	**Pemphigus**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
L12	Pemphigoid	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
L53	**Other erythematous conditions**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
L89	Decubitus ulcer	M	-	-	-	-	-	-	-	1	2	3	6
		F	-	-	-	-	-	-	-	-	2	7	9
L97	**Ulcer of lower limb, NEC**	**M**	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	1	-	-	2	3
L98	Other disorders of skin and subcutaneous tissue, NEC	M	-	-	-	-	-	-	-	-	2	1	3
		F	-	-	-	-	-	-	-	-	-	9	9
M00	**Pyogenic arthritis**	**M**	-	-	-	-	-	-	-	2	-	2	4
		F	-	-	-	-	-	-	-	-	-	1	1
M05	Seropositive rheumatoid arthritis	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	1	1	-	2
M06	**Other rheumatoid arthritis**	**M**	-	-	-	-	-	-	-	3	3	-	6
		F	-	-	-	-	-	-	-	3	12	17	32
M13	Other arthritis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	2	3	5
M15	**Polyarthrosis**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	2	2
M16	Coxarthrosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
M17	**Gonarthrosis**	**M**	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	1	1
M19	Other arthrosis	M	-	-	-	-	-	-	-	-	2	2	4
		F	-	-	-	-	-	-	-	1	3	8	12
M24	**Other specific joint derangements**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
M25	Other joint disorders, NEC	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	1	-	1
M30	**Polyarteritis nodosa and related conditions**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	1	2
M31	Other necrotizing vasculopathies	M	-	-	-	-	-	-	1	2	-	-	3
		F	-	-	-	-	-	-	-	3	1	1	5
M32	**Systemic lupus erythematosus**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	6	4	3	14
M33	Dermatopolymyositis	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	1	1	1	3
M34	**Systemic sclerosis**	**M**	-	-	-	-	-	-	-	2	4	-	6
		F	-	-	-	-	-	1	-	4	3	3	11
M35	Other systemic involvement of connective tissue	M	-	-	-	-	-	-	-	-	1	1	2
		F	-	-	-	-	-	-	-	1	1	3	5
M40	**Kyphosis and lordosis**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
M41	Scoliosis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	3	3
M43	**Other deforming dorsopathies**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
M45	Ankylosing spondylitis	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
M46	**Other inflammatory spondylopathies**	**M**	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	-	1	-	1
M47	Spondylosis	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
M48	**Other spondylopathies**	**M**	-	-	-	-	-	-	-	1	-	2	3
		F	-	-	-	-	-	-	-	-	1	-	1
M50	Cervical disc disorders	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
M51	**Other intervertebral disc disorders**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	-	1

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
M54 Dorsalgia	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
M60 Myositis	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	1	1	2
M62 Other disorders of muscle	M	-	-	-	-	-	-	1	1	2	1	5
	F	-	-	-	-	-	-	-	-	-	2	2
M72 Fibroblastic disorders	M	-	-	-	-	-	-	-	2	-	-	2
	F	-	-	-	-	-	-	1	-	-	-	1
M80 Osteoporosis with pathological fracure	M	-	-	-	-	-	-	-	-	-	2	2
	F	-	-	-	-	-	-	-	-	3	18	21
M81 Osteoporosis without pathological fracture	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	9	10
M84 Disorders of continuity of bone	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	2	3
M86 Osteomyelitis	M	-	-	-	-	-	-	-	1	-	2	3
	F	-	-	-	-	-	-	-	-	-	2	2
M87 Osteonecrosis	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
M88 Paget's disease of bone [osteitis deformans]	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
M94 Other disorders of cartilage	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
N01 Rapidly progressive nephritic syndrome	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
N03 Chronic nephritic syndrome	M	-	-	-	-	-	-	-	-	1	8	9
	F	-	-	-	-	-	-	-	1	2	8	11
N04 Nephrotic syndrome	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
N05 Unspecified nephritic syndrome	M	-	-	-	-	-	-	-	1	-	1	2
	F	-	-	-	-	-	-	-	-	4	-	4
N10 Acute tubulo-interstitial nephritis	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	1	1	-	-	2
N11 Chronic tubulo-interstitial nephritis	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
N12 Tubulo-interstitial nephritis, not specified as acute or chronic	M	-	-	-	-	-	-	-	2	1	3	6
	F	-	-	-	-	-	-	-	-	2	9	11
N13 Obstructive and reflux uropathy	M	-	-	-	-	-	-	-	-	1	2	3
	F	-	-	-	-	-	-	-	-	-	3	3
N17 Acute renal failure	M	-	1	-	-	-	-	-	3	5	16	25
	F	-	-	-	-	-	-	-	-	5	16	21
N18 Chronic renal failure	M	-	-	-	-	-	-	1	8	30	57	96
	F	-	-	-	-	-	-	1	8	19	71	99
N19 Unspecified renal failure	M	-	-	-	-	-	-	1	4	23	45	73
	F	-	-	-	-	-	-	1	5	19	63	88
N20 Calculus of kidney and ureter	M	-	-	-	-	-	-	-	2	-	2	4
	F	-	-	-	-	-	-	-	-	-	3	3
N26 Unspecified contracted kidney	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
N28 Other disorders of kidney and ureter, NEC	M	-	-	-	-	-	-	-	2	2	1	5
	F	-	-	-	-	-	-	-	-	-	2	2
N30 Cystitis	M	-	-	-	-	-	-	-	-	1	1	2
	F	-	-	-	-	-	-	-	-	1	3	4
N31 Neuromuscular dysfunction of bladder, NEC	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
N32 Other disorders of bladder	M	-	-	-	-	-	-	-	1	-	2	3
	F	-	-	-	-	-	-	-	-	1	-	1
N35 Urethral stricture	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
N39 Other disorders of urinary system	M	-	-	-	-	-	-	-	6	23	55	84
	F	-	-	-	-	-	-	1	5	14	117	137
N40 Prostatic hypertrophy	M	-	-	-	-	-	-	-	-	1	11	12
	F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
N41	**Inflammatory diseases of prostate**	**M**	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
N42	Other disorders of prostate	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
N49	**Inflammatory disorders of male genital organs, NEC**	**M**	-	-	-	-	-	-	-	-	1	2	3
		F	-	-	-	-	-	-	-	-	-	-	-
N63	Unspecified lump in breast	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
N71	**Inflammatory disease of uterus, except cervix**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
N73	Other female pelvic inflammatory diseases	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	1	-	2
N83	**Noninflammatory disorders of ovary, fallopian tube and broad ligament**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
O00	Ectopic pregnancy	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	1	-	-	-	-	1
O97	**Death from sequelae of direct obstetric causes**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	1	-	1
P00	Fetus & newborn affected by mat. cond. that may be unrel. to present preg.	M	1	-	-	-	1	-	-	-	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
P01	**Fetus & newborn affected by maternal complications of pregnancy**	**M**	6	-	-	-	-	-	-	-	-	-	6
		F	6	-	-	-	-	-	-	-	-	-	6
P02	Fetus & newborn affected by comp. of placenta, cord and membranes	M	10	-	-	-	-	-	-	-	-	-	10
		F	6	-	-	-	-	-	-	-	-	-	6
P03	**Fetus & newborn affected by other complications of labour and delivery**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	1
P07	Disorders related to short gestation and low birth weight, NEC	M	10	-	-	-	-	-	-	-	-	-	10
		F	13	-	-	-	-	-	-	-	-	-	13
P11	**Other birth injuries to central nervous system**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	1	-	-	-	-	1
P20	Intrauterine hypoxia	M	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	1
P21	**Birth asphyxia**	**M**	1	-	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
P22	Respiratory distress of newborn	M	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	1
P26	**Pulmonary haemorrhage originating in the perinatal period**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	1
P28	Other respiratory conditions originating in the perinatal period	M	-	-	-	-	-	-	-	-	-	-	-
		F	1	-	-	-	-	-	-	-	-	-	1
P29	**Cardiovascular disorders originating in the perinatal period**	**M**	1	-	-	-	-	-	-	-	-	-	1
		F	1	-	-	-	-	-	-	-	-	-	1
P35	Congenital viral diseases	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	1	-	-	-	-	-	-	-	1
P36	**Bacterial sepsis of newborn**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	2	-	-	-	-	-	-	-	-	-	2
P39	Other infections specific to the perinatal period	M	2	-	-	-	-	-	-	-	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
P61	**Other perinatal haematological disorders**	**M**	1	-	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
P77	Necrotizing enterocolitis of fetus and newborn	M	2	-	-	-	-	-	-	-	-	-	2
		F	1	-	-	-	-	-	-	-	-	-	1
P91	**Other disturbances of cerebral status of newborn**	**M**	6	-	-	-	-	-	-	-	-	-	6
		F	3	-	-	-	-	-	-	-	-	-	3
P96	Other conditions originating in the perinatal period	M	2	-	-	-	-	-	-	-	-	-	2
		F	2	-	-	-	-	-	-	-	-	-	2
Q00	**Anencephaly and similar malformations**	**M**	1	-	-	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
Q01	Encephalocele	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
Q02	**Microcephaly**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	1	-	-	-	-	-	-	-	1

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
Q05 Spina bifida	M	-	-	-	-	-	-	1	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Q07 Other congenital malformations of nervous system	M	1	-	-	-	-	-	-	-	-	-	1
	F	1	-	-	-	-	-	-	-	-	-	1
Q20 Congenital malformations of cardiac chambers and connections	M	1	-	-	-	-	-	1	-	-	-	2
	F	-	-	-	-	-	-	-	-	-	-	-
Q21 Congenital malformations of cardiac septa	M	3	1	-	-	1	-	1	1	-	-	7
	F	-	1	-	-	-	-	1	-	-	2	4
Q23 Congenital malformations of aortic and mitral valves	M	-	-	-	-	-	-	2	1	-	1	4
	F	1	-	-	-	-	-	-	-	-	-	1
Q24 Other congenital malformations of heart	M	3	-	-	-	-	-	-	-	-	-	3
	F	-	-	-	-	-	-	-	-	1	-	1
Q25 Congenital malformations of great arteries	M	-	-	-	-	-	-	-	-	-	1	1
	F	2	-	-	-	-	-	-	-	-	1	3
Q27 Other congenital malformations of peripheral vascular system	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
Q28 Other congenital malformations of circulatory system	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
Q31 Congenital malformations of larynx	M	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	1
Q33 Congenital malformations of lung	M	-	-	-	-	-	-	-	-	-	-	-
	F	3	-	-	-	-	-	-	-	-	1	4
Q61 Cystic kidney disease	M	-	-	-	-	-	-	-	2	3	1	6
	F	-	-	-	-	-	-	-	2	2	3	7
Q67 Congenital musculoskeletal head, face, spine, chest deformities	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
Q78 Other osteochondrodysplasias	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	1	-	-	-	1
Q79 Congenital malformations of the musculoskeletal system, NEC	M	2	-	-	-	-	-	-	-	-	-	2
	F	-	-	-	-	-	-	-	-	-	-	-
Q80 Congenital ichthyosis	M	1	-	-	-	-	-	-	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Q85 Phakomatoses, NEC	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	1	2	-	-	-	3
Q87 Other spec. malformation syndromes affecting multiple systems	M	-	-	-	-	-	-	1	-	1	-	2
	F	1	-	-	1	-	-	1	1	-	-	4
Q89 Other congenital malformations, NEC	M	-	1	-	-	-	-	-	-	-	-	1
	F	1	-	1	-	-	-	1	-	-	-	3
Q90 Down's syndrome	M	2	-	-	-	-	1	-	1	-	-	4
	F	1	-	-	-	-	-	1	3	1	-	6
Q91 Edwards' syndrome and Patau's syndrome	M	2	-	-	-	-	-	-	-	-	-	2
	F	6	-	-	-	-	-	-	-	-	-	6
Q92 Other trisomies and partial trisomies of the autosomes, NEC	M	1	-	-	-	-	-	-	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Q93 Monosomies and deletions from the autosomes, NEC	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	1	-	-	-	-	1
R00 Abnormalities of heart beat	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
R09 Other symptoms and signs involving the circulatory and respiratory systems	M	-	-	-	-	-	-	-	2	-	2	4
	F	-	-	-	-	-	-	-	-	-	5	5
R19 Other symptoms and signs involving the digestive system and abdomen	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
R53 Malaise and fatigue	M	-	-	-	-	-	-	-	-	-	3	3
	F	-	-	-	-	-	-	-	-	-	1	1
R54 Senility	M	-	-	-	-	-	-	-	-	-	19	19
	F	-	-	-	-	-	-	-	-	1	42	43
R55 Syncope and collapse	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
R57 Shock, NEC	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	2	2
R58 Haemorrhage, NEC	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
R62	Lack of expected normal physiological development	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	1	1
R64	Cachexia	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	2	2
R68	Other general symptoms and signs	M	-	-	-	-	-	-	-	-	-	6	6
		F	-	-	-	-	-	-	-	-	1	3	4
R95	Sudden infant death syndrome	M	11	-	-	-	-	-	-	-	-	-	11
		F	1	-	-	-	-	-	-	-	-	-	1
R97	Unknown cause of mortality	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
R99	Other ill-defined and unspecified causes of mortality	M	13	5	7	1	26	38	146	203	50	26	515
		F	7	4	3	2	11	14	63	101	41	31	277
V02	Pedestrian injured in collision with two- or three-wheeled motor vehicle	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	1	-	-	-	-	-	1
V03	Pedestrian injured in collision with car, pick-up truck or van	M	-	1	-	-	-	-	2	5	1	3	12
		F	-	-	-	-	-	1	1	-	1	3	6
V04	Pedestrian injured in collision with heavy transport vehicle or bus	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	1	1	2	1	1	6
V05	Pedestrian injured in collision with railway train or vehicle	M	-	-	-	-	-	-	2	-	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
V09	Pedestrian injured in other and unspecified transport accident	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
V13	Pedal cyclist injured in collision with car, pick-up truck or van	M	-	-	-	-	-	-	1	2	-	-	3
		F	-	-	-	-	-	-	-	1	-	-	1
V18	Pedal cyclist injured in noncollision transport accident	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
V20	Motorcycle rider injured in collision with pedestrian or animal	M	-	-	-		-	-	1	-	-	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
V22	Motorcycle rider injured in collision with two- or three-wheeled motor vehicle	M	-	-	-	-	-	1	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
V23	Motorcycle rider injured in collision with car, pick-up truck or van	M	-	-	-	-	1	-	5	3	-	-	9
		F	-	-	-	-	-	-	-	1	-	-	1
V24	Motorcycle rider injured in collision with heavy transport vehicle or bus	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
V27	Motorcycle rider injured in collision with fixed or stationary object	M	-	-	-	-	-	-	4	1	-	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
V28	Motorcycle rider injured in noncollision transport accident	M	-	-	-	-	-	-	1	1	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
V40	Car occupant injured in collision with pedestrian or animal	M	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
V43	Car occupant injured in collision with car, pick-up truck or van	M	-	1	-	-	4	2	4	5	2	2	20
		F	-	-	-	-	3	2	1	6	1	3	16
V44	Car occupant injured in collision with heavy transport vehicle or bus	M	-	-	1	-	1	1	3	-	1	-	7
		F	-	-	-	-	1	1	3	3	1	-	9
V47	Car occupant injured in collision with fixed or stationary object	M	-	-	-	-	-	4	8	4	3	-	19
		F	-	-	-	-	3	1	4	-	1	1	10
V48	Car occupant injured in noncollision transport	M	-	-	-	1	2	1	5	4	2	1	16
		F	-	-	-	-	-	2	2	3	-	1	8
V49	Car occupant injured in other and unspecified transport accidents	M	-	-	-	-	-	1	1	1	-	-	3
		F	-	-	-	-	-	-	-	1	1	-	2
V53	Occupant of pick-up truck or van injured in collision with car, pick-up truck or van	M	-	-	-	-	-	-	-	1	1	1	3
		F	-	-	-	1	-	-	1	-	2	-	4
V54	Occupant of pick-up truck or van injured in coll. w/heavy transport vehicle or bus	M	-	-	-	-	1	-	1	1	1	-	4
		F	-	-	-	-	-	-	-	-	-	-	-
V57	Occupant of pick-up truck or van injured in collision with fixed or stationary object	M	-	-	-	-	-	2	1	1	-	1	5
		F	-	-	-	-	2	-	-	-	-	-	2
V58	Occupant of pick-up truck or van injured in noncollision transport accident	M	-	-	-	-	1	2	9	3	-	-	15
		F	-	-	-	-	-	-	-	1	-	-	1
V78	Bus occupant injured in noncollision transport	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
V86	Occupant of special A.T./other m.v. for off-road use, inj. in transport accident	M	-	-	-	-	1	2	3	2	1	-	9
		F	-	-	-	-	1	-	1	1	-	-	3

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
V87	**Traffic of specified type but victim's mode of transport unknown**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
V89	Motor or nonmotor vehicle, type of vehicle unspecified	M	-	-	-	-	-	-	1	1	1	-	3
		F	-	-	-	-	-	-	-	-	-	-	-
V90	**Accident to watercraft causing drowning and submersion**	**M**	-	-	-	-	-	-	-	1	2	-	3
		F	-	-	-	-	-	-	-	-	-	-	-
V91	Accident to watercraft causing other injury	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	1	-	-	-	-	1
V92	**Water-transport-related drowning & submersion w/o acc. to watercraft**	**M**	-	-	-	-	-	-	-	3	-	-	3
		F	-	-	-	-	-	-	-	-	-	-	-
V93	Accident on board watercraft w/o acc. to watercraft, not causing drown. & sub.	M	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
V95	**Accident to powered aircraft causing injury to occupant**	**M**	-	-	-	-	-	1	4	3	2	-	10
		F	-	-	-	-	-	-	-	-	-	-	-
V97	Other specified air transport accidents	M	-	-	-	-	-	1	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W00	**Fall on same level involving ice and snow**	**M**	-	-	-	1	-	-	-	-	1	-	2
		F	-	-	-	-	-	-	1	-	1	-	2
W01	Fall on same level from slipping, tripping and stumbling	M	-	-	-	-	-	-	-	-	1	5	6
		F	-	-	-	-	-	-	-	-	1	8	9
W02	**Fall involving ice-skates, skis, roller-skates or skateboards**	**M**	-	-	-	-	-	-	1	1	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
W03	Other fall on same level due to collision with, or pushing by, another person	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
W04	**Fall while being carried or supported by other persons**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W05	Fall involving wheelchair	M	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	-	1	2	3
W06	**Fall involving bed**	**M**	-	-	-	-	-	-	-	-	-	7	7
		F	-	-	-	-	-	-	-	-	1	8	9
W07	Fall involving chair	M	-	-	-	-	-	-	-	1	-	1	2
		F	-	-	-	-	-	-	-	-	-	-	-
W08	**Fall involving other furniture**	**M**	-	-	-	-	-	-	-	-	1	3	4
		F	-	-	-	-	-	-	-	-	-	1	1
W10	Fall on and from stairs and steps	M	-	-	-	-	-	-	-	3	5	4	12
		F	-	-	-	-	-	-	-	5	9	4	18
W11	**Fall on and from ladder**	**M**	-	-	-	-	-	-	1	3	5	2	11
		F	-	-	-	-	-	-	-	-	-	-	-
W13	Fall from, out of or through building or structure	M	-	-	-	-	-	1	-	3	2	1	7
		F	-	-	-	-	1	1	1	-	-	1	4
W14	**Fall from tree**	**M**	-	-	-	-	-	-	-	-	1	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W15	Fall from cliff	M	-	-	-	-	1	1	1	2	-	-	5
		F	-	-	-	-	-	-	2	-	-	-	2
W16	**Diving or jumping into water causing inj. other than drowning or submersion**	**M**	-	-	-	-	1	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W17	Other fall from one level to another	M	-	-	-	-	-	-	1	5	-	-	6
		F	-	-	-	-	-	-	-	-	-	-	-
W18	**Other fall on same level**	**M**	-	-	-	-	-	-	-	3	7	13	23
		F	-	-	-	-	-	-	-	1	2	12	15
W19	Unspecified fall	M	-	-	-	-	-	-	1	14	12	52	79
		F	-	-	-	-	-	-	-	7	20	96	123
W20	**Struck by thrown, projected or falling object**	**M**	-	-	-	-	-	-	2	7	1	-	10
		F	-	-	-	-	-	-	-	-	-	-	-
W22	Striking against or struck by other objects	M	-	-	-	-	-	-	-	2	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
W23	**Caught, crushed, jammed or pinched in or between objects**	**M**	-	-	-	2	1	-	-	1	-	-	4
		F	-	-	-	-	-	-	-	-	-	-	-
W25	Contact with sharp glass	M	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W26	**Contact with knife, sword or dagger**	**M**	-	-	-	-	1	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10	Cause of Death	Gender	Age of Deceased (in Years)										Total
			<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
W31	**Contact with other and unspecified machinery**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W34	Discharge from other and unspecified firearms	M	-	-	-	-	-	2	1	1	-	-	4
		F	-	-	-	-	-	-	-	-	-	-	-
W36	**Explosion and rupture of gas cylinder**	**M**	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
W49	Exposure to other and unspecified inanimate mechanical forces	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	-	-	1	1
W65	**Drowning and submersion while in bath-tub**	**M**	-	-	-	-	-	-	1	1	-	1	3
		F	-	-	-	-	-	-	-	1	-	-	1
W66	Drowning and submersion following fall into bath-tub	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
W69	**Drowning and submersion while in natural water**	**M**	-	-	-	-	2	2	3	2	-	-	9
		F	-	-	-	-	1	1	-	-	1	-	3
W70	Drowning and submersion following fall into natural water	M	-	-	1	-	-	-	3	1	2	1	8
		F	-	-	-	-	-	-	-	-	-	1	1
W73	**Other specified drowning and submersion**	**M**	-	-	-	1	-	-	-	1	-	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
W74	Unspecified drowning and submersion	M	-	-	-	-	1	2	2	1	-	-	6
		F	-	-	-	-	-	-	-	1	-	-	1
W76	**Other al hanging and strangulation**	**M**	-	-	1	1	-	-	-	2	1	-	5
		F	-	-	-	-	-	-	-	-	-	-	-
W77	Threat to breathing due to cave-in, falling earth and other substances	M	-	-	1	-	-	-	-	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
W78	**Inhalation of gastric contents**	**M**	-	-	-	1	-	-	-	1	1	-	3
		F	-	-	-	-	-	-	-	-	-	-	-
W79	Inhalation and ingestion of food causing obstruction of respiratory tract	M	-	-	-	-	-	-	-	1	-	3	4
		F	-	-	-	-	-	-	-	-	-	3	3
W80	**Inhalation & ingestion of other objects causing obstruction of respiratory tract**	**M**	-	-	-	-	-	-	-	3	3	4	10
		F	-	-	-	-	-	-	-	2	2	5	9
W81	Confined to or trapped in a low-oxygen environment	M	-	-	-	-	-	-	1	-	1	-	2
		F	-	-	-	-	-	-	-	-	-	-	-
W84	**Unspecified threat to breathing**	**M**	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
X00	Exposure to uncontrolled fire in building or structure	M	-	-	-	-	-	1	6	6	5	1	19
		F	-	-	-	1	-	-	3	2	6	3	15
X01	**Exposure to uncontrolled fire, not in building or structure**	**M**	-	-	-	-	-	-	1	2	-	-	3
		F	-	-	-	-	-	-	-	-	-	-	-
X02	Exposure to controlled fire in building or structure	M	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	-	1	-	-	1
X03	**Exposure to controlled fire, not in building or structure**	**M**	-	-	-	-	-	-	-	1	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
X08	Exposure to other specified smoke, fire and flames	M	-	-	-	-	-	-	-	-	-	1	1
		F	-	-	-	-	-	-	-	-	-	-	-
X10	**Contact with hot drinks, food, fats and cooking oils**	**M**	-	-	-	-	-	-	-	-	-	-	-
		F	-	-	-	-	-	-	1	-	-	-	1
X25	Contact with other specified venomous arthropods	M	-	-	-	-	-	-	1	-	-	-	1
		F	-	-	-	-	-	-	-	-	-	-	-
X31	**Exposure to excessive natural cold**	**M**	-	-	-	-	-	-	1	8	1	1	11
		F	-	-	-	-	-	-	-	-	1	1	2
X36	Victim of avalanche, landslide and other earth movements	M	-	-	-	-	-	2	8	4	-	-	14
		F	-	-	-	-	-	-	-	-	-	-	-
X40	**Acc. poisoning by & exp. to nonopioid analgesics, antipyretics and antirheum.**	**M**	-	-	-	-	-	-	-	1	1	-	2
		F	-	-	-	-	-	-	-	2	1	1	4
X41	Acc. poisoning by & exp. to antiepileptic, sed.-hypn.,antipark.& psych. drugs, NEC	M	-	-	-	-	-	-	3	11	-	-	14
		F	-	-	-	-	-	-	2	4	1	-	7
X42	**Acc. poisoning by & exp. to narcotics and psychodysleptics [hallucin.], NEC**	**M**	-	-	-	-	2	2	48	30	1	-	83
		F	-	-	-	-	1	4	6	20	-	-	31
X44	Acc. poisoning by & exp. to other and unspec. drugs, med. and biolo. sub.	M	-	-	-	-	-	1	16	16	3	-	36
		F	-	-	-	-	1	1	14	14	1	2	33
X45	**Accidental poisoning by and exposure to alcohol**	**M**	-	-	-	-	-	-	7	11	2	-	20
		F	-	-	-	-	-	-	-	2	-	-	2

Notes are included at end of Appendix 2.

Appendix 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

British Columbia, 2008

ICD-10 Cause of Death	Gender	Age of Deceased (in Years)										Total
		<1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	
X46 Acc. pois. by & exp. to organic solvents & halog. hydrocarbons & their vapours	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
X47 Acc. poisoning by and exposure to other gases and vapours	M	-	-	-	-	-	-	-	2	1	-	3
	F	-	-	-	-	-	-	-	-	-	-	-
X49 Acc. poisoning by & exposure to other & unspec. chem. & noxious substances	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
X59 Exposure to unspecified factor	M	-	-	-	-	-	-	2	1	1	5	9
	F	-	-	-	-	-	-	-	-	1	10	11
X60 Suicide by nonopioid analgesics, antipyretics and antirheumatics	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	1	-	-	-	1
X61 Suicide by antiepileptic, sed-hypno, antipark. & psychotropic drugs, NEC	M	-	-	-	-	-	-	5	2	1	1	9
	F	-	-	-	-	-	1	2	8	-	1	12
X62 Suicide by narcotics & psychodysleptics [hallucinogens], NEC	M	-	-	-	-	-	-	2	5	1	-	8
	F	-	-	-	-	-	-	-	6	-	1	7
X64 Suicide by other & unspecified drugs, medicaments & biological substances	M	-	-	-	-	-	-	8	4	1	1	14
	F	-	-	-	-	-	-	2	12	2	-	16
X65 Suicide by alcohol	M	-	-	-	-	-	-	1	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
X66 Suicide by organic solvents and halog. hydrocarbons & their vapours	M	-	-	-	-	-	-	2	-	1	-	3
	F	-	-	-	-	-	-	-	1	-	-	1
X67 Suicide by other gases and vapours	M	-	-	-	-	-	1	13	7	5	1	27
	F	-	-	-	-	-	-	2	3	1	-	6
X69 Intent. self-poisoning by & expos. to other & unspec. chem. & nox. sub.	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	-	1
X70 Suicide by hanging, strangulation and suffocation	M	-	-	-	1	5	13	52	44	13	3	131
	F	-	-	-	-	3	1	6	10	4	3	27
X71 Suicide by drowning and submersion	M	-	-	-	-	-	1	3	5	-	1	10
	F	-	-	-	-	-	-	1	2	-	-	3
X72 Suicide by handgun discharge	M	-	-	-	-	-	-	-	2	1	1	4
	F	-	-	-	-	-	-	-	-	-	-	-
X73 Suicide by rifle, shotgun and larger firearm discharge	M	-	-	-	-	3	-	7	3	5	7	25
	F	-	-	-	-	-	-	1	1	-	-	2
X74 Suicide by other and unspecified firearm discharge	M	-	-	-	-	1	4	9	12	9	7	42
	F	-	-	-	-	-	-	-	1	1	-	2
X76 Suicide by smoke, fire and flames	M	-	-	-	-	-	-	1	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
X78 Suicide by sharp object	M	-	-	-	-	-	-	2	1	2	-	5
	F	-	-	-	-	-	-	2	1	-	-	3
X80 Suicide by jumping from a high place	M	-	-	-	-	1	1	11	10	4	-	27
	F	-	-	-	-	-	2	11	3	-	2	18
X81 Suicide by jumping or lying before moving object	M	-	-	-	-	-	1	1	1	-	1	4
	F	-	-	-	-	-	-	-	-	-	-	-
X82 Suicide by crashing of motor vehicle	M	-	-	-	-	-	-	2	-	-	-	2
	F	-	-	-	-	-	-	-	1	-	-	1
X83 Suicide by other specified means	M	-	-	-	-	-	1	-	3	1	-	5
	F	-	-	-	-	-	-	1	1	-	-	2
X95 Assault by other and unspecified firearm discharge	M	-	-	-	-	4	5	12	1	-	-	22
	F	-	-	-	-	-	1	-	2	-	-	3
X99 Assault by sharp object	M	-	-	-	1	1	-	1	1	-	-	4
	F	-	-	-	-	-	1	1	1	-	-	3
Y00 Assault by blunt object	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y08 Assault by other specified means	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	1	-	-	1
Y11 Pois. by & exp. to antiepileptic, sed-hypnotic, antipark. & psych. drugs, NEC	M	-	-	-	-	-	-	-	1	1	-	2
	F	-	-	-	-	-	-	-	-	2	-	2
Y12 Pois. by & exp. to narc. & psychodys. (hallucinogens), NEC, undet. intent	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	1	-	-	-	1
Y14 Pois. by other & unspec. drugs, medic. & biol. subst., undetermined intent	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	1	3	-	-	4
Y15 Poisoning by and exposure to alcohol, undetermined intent	M	-	-	-	-	-	-	-	2	-	-	2
	F	-	-	-	-	-	-	-	-	-	-	-

Notes are included at end of Appendix 2.

APPENDIX 2 – *continued*

DETAILED CAUSE OF DEATH BY GENDER AND AGE

BRITISH COLUMBIA, 2008

ICD-10 Cause of Death	Gender	Age of Deceased (in Years) <1	1–4	5–9	10–14	15–19	20–24	25–44	45–64	65–79	80+	Total
Y20 Hanging, strangulation and suffocation, undetermined intent	M	-	-	-	1	-	-	-	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y21 Drowning and submersion, undetermined intent	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y30 Falling, jumping or pushed from a high place, undetermined intent	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y33 Other specified events, undetermined intent	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	1	1
Y34 Unspecified event, undetermined intent	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y40 Systemic antibiotics	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y41 Other systemic anti-infectives and antiparasitics	M	-	-	-	-	-	-	-	-	-	1	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y60 Unintent. cut, puncture, perforation or haemorrhage during surg. & med. care	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	1	-	-	-	1
Y64 Contaminated medical or biological substances	M	-	-	-	-	-	-	-	1	-	-	1
	F	-	-	-	-	-	-	-	1	-	-	1
Y83 Surg. oper & othr. surg. proc. causing abno. react. or later compl., w/o misadv.	M	-	-	-	-	-	-	-	3	2	4	9
	F	-	-	-	-	-	-	-	-	1	3	4
Y84 Oth. med. proc. as cause of abno. react. of pat., or ltr. compl., w/o ment. misadv.	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	1	2	3
Y85 Sequelae of transport accidents	M	-	-	-	-	-	1	2	1	2	-	6
	F	-	-	-	-	-	-	-	2	1	-	3
Y86 Sequelae of other accidents	M	-	-	-	-	-	-	2	6	3	4	15
	F	-	-	-	-	-	-	1	-	1	1	3
Y87 Sequelae of intentional self-harm, assault & events of undet. intent	M	-	-	-	-	-	-	1	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
Y89 Sequelae of other external causes	M	-	-	-	-	-	-	-	-	1	-	1
	F	-	-	-	-	-	-	-	-	-	-	-
INC Not Yet Coded	M	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-
All Causes of Death	M	94	19	15	18	77	117	717	3,225	5,191	6,832	16,305
	F	71	11	10	10	41	57	385	2,016	3,699	9,287	15,587

Note: The output from ICD-10 mortality coding and underlying cause of death selection was modified in British Columbia to reflect the intent of certifiers in this jurisdiction and to provide greater continuity over time. Data using the standard ICD-10 rules for such categories as pneumonia/influenza, diabetes, or cancer should not be compared to the numbers shown above.
Non-residents and unknown gender are excluded.

Appendix Three

Selected Health Status Indicators by Local Health Area, Health Service Delivery Area and Health Authority

British Columbia, 2004-2008

Preamble to Appendix 3

This appendix consists of six tables:

Table A Summary Statistics by Local Health Area

Table B Mortality Statistics by Local Health Area

Table C Summary Statistics by Health Service Delivery Area

Table D Mortality Statistics by Health Service Delivery Area

Table E Summary Statistics by Health Authority

Table F Mortality Statistics by Health Authority

Assignment of events to geographic areas was based on the usual residence of the mother for live births and stillbirths, and the usual residence of the decedent for deaths.

Tables A, C and E provide population estimates for the current year, and counts and rates for the five-year period ending with the current year for live births, stillbirths, deaths, infant deaths, low birth weight live births, cesarean live birth deliveries, pre-term live births, live births to teenage mothers, and live births to elderly gravida (mothers aged 35 or older).

Tables B, D and E provide the Standardized Mortality Ratios (SMR) with statistical significance, number of deaths (in the column labeled Death), trends in Age Standardized Mortality rates (ASMR) based on three-year moving averages from 1986 to the current year (in the column labeled TR), Potential Years of Life Lost Index (PYLLI) with statistical significance, and the number of deaths under age 75 (in the column labeled D <75). ICD-10 codes for the causes of death in these tables are listed below.

Category	Cause of Death	ICD-10 Codes
01	All causes of death	A00-Y89
02	Malignant neoplasms	C00-C97
03	Malignant neoplasm of lung	C34
04	Endocrine nutritional and metabolic diseases	E00-E89
05	Diabetes mellitus	E10-E14
06	Diseases of the circulatory system	I00-I99
07	Ischemic heart diseases	I20-I25
08	Cerebrovascular diseases	I60-I69
09	Diseases of arteries, arterioles and capillaries	I70-I78
10	Diseases of the respiratory system	J00-J98
11	Influenza and pneumonia	J10-J18
12	Chronic Pulmonary Disease	J40-J44
13	Diseases of the digestive system	K00-K92
14	Motor vehicle accidents	V02-V04, V09, V12-V14, V190-V196, V20-V79, V803-V805, V820-V821, V823-V890, V892, V899, Y850
15	Unintentional falls	W00-W19
16	Suicide	X60-X84, Y870
17	Alcohol-related deaths	see Glossary
18	Medically treatable diseases	see Glossary
19	Drug-induced deaths	see Glossary

Note: Some cause of death categories are different from those used previously, so readers should avoid comparisons with tables in earlier publications.

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2004-2008

	Local Health Area	2008 Population	Live Birth		Stillbirth		Death		Infant Death	
			Total	Rate	Total	Rate[2]	Total	Rate	Total	Rate[1]
001	Fernie	14,687	569	9.28	4	6.00	417	5.78	3	4.48
002	Cranbrook	25,425	1,177	9.52	10	8.42	1,031	8.34	5	4.25
003	Kimberley	8,323	343	8.53	-	-	383	9.52	1	2.92
004	Windermere	10,637	407	8.48	5	12.14	252	5.25	1	2.46
005	Creston	12,468	561	9.36	-	-	708	11.81	-	-
006	Kootenay Lake	3,642	154	8.46	1	6.45	151	8.30	-	-
007	Nelson	24,878	1,144	9.49	9	7.81	944	7.83	-	-
009	Castlegar	13,247	453	7.04	4	8.75	632	9.82	1	2.21
010	Arrow Lakes	4,741	168	7.15	-	-	237	10.09	-	-
011	Trail	19,418	757	7.95	7	9.16	1,087	11.41	2	2.64
012	Grand Forks	8,926	331	7.57	2	6.01	506	11.57	4	12.08
013	Kettle Valley	3,590	130	7.39	1	7.63	121	6.88	-	-
014	Southern Okanagan	19,518	645	6.83	7	10.74	1,291	13.67	1	1.55
015	Penticton	41,111	1,573	7.84	10	6.32	2,598	12.95	10	6.36
016	Keremeos	5,754	180	7.05	1	5.52	344	13.47	-	-
017	Princeton	4,780	134	5.53	1	7.41	284	11.71	-	-
018	Golden	7,524	348	9.73	1	2.87	200	5.59	2	5.75
019	Revelstoke	7,918	371	9.37	2	5.36	261	6.59	5	13.48
020	Salmon Arm	34,578	1,266	7.72	9	7.06	1,616	9.88	9	7.11
021	Armstrong-Spallumcheen	9,456	417	8.87	2	4.77	376	8.00	-	-
022	Vernon	64,679	2,653	8.52	22	8.22	3,086	9.91	15	5.65
023	Central Okanagan	180,009	7,399	8.77	58	7.78	7,300	8.65	29	3.92
024	Kamloops	109,255	4,797	9.08	30	6.22	4,098	7.76	17	3.54
025	100 Mile House	14,625	508	7.03	4	7.81	622	8.60	1	1.97
026	North Thompson	4,324	227	10.54	-	-	193	8.96	1	4.41
027	Cariboo-Chilcotin	26,599	1,440	10.94	17	11.67	884	6.72	11	7.64
028	Quesnel	23,334	1.218	10.54	14	11.36	864	7.47	6	4.93
029	Lillooet	4,358	251	11.64	2	7.91	204	9.46	1	3.98
030	South Cariboo	7,161	299	8.42	5	16.45	356	10.02	3	10.03
031	Merritt	11,563	583	10.25	3	5.12	558	9.81	-	-
032	Hope	8,065	368	9.18	4	10.75	524	13.07	2	5.43
033	Chilliwack	83,348	4,812	12.12	38	7.84	3,427	8.63	16	3.33
034	Abbotsford	134,222	8,291	12.67	79	9.44	4,648	7.10	32	3.86
035	Langley	127,203	6,479	10.57	37	5.68	4,399	7.18	21	3.24
037	Delta	100,189	4,480	8.93	33	7.31	3,121	6.22	12	2.68
038	Richmond	189,027	8,163	8.89	69	8.38	4,482	4.88	27	3.31
040	New Westminster	63,745	3,274	10.72	28	8.48	2,575	8.43	8	2.44
041	Burnaby	218,241	10,830	10.23	77	7.06	6,882	6.50	30	2.77
042	Maple Ridge	91,624	4,651	10.58	37	7.89	2,734	6.22	13	2.80
043	Coquitlam	211,466	10,287	9.95	81	7.81	4,682	4.53	36	3.50
044	North Vancouver	136,035	6,145	9.13	50	8.07	4,136	6.15	14	2.28
045	West Vancouver-Bowen Is.	50,741	1,419	5.64	7	4.91	2,367	9.41	3	2.11
046	Sunshine Coast	29,194	997	7.14	5	4.99	1,355	9.70	5	5.02
047	Powell River	19,733	670	6.91	4	5.93	974	10.04	3	4.48
048	Howe Sound	33,458	2,170	13.41	23	10.49	589	3.64	13	5.99
049	Bella Coola Valley	2,738	236	16.14	5	20.75	101	6.91	3	12.71
050	Queen Charlotte	4,800	253	10.60	1	3.94	161	6.74	4	15.81
051	Snow Country	522	29	9.83	-	-	16	5.43	1	34.48
052	Prince Rupert	14,289	856	11.68	4	4.65	475	6.48	2	2.34
053	Upper Skeena	5,373	321	11.81	3	9.26	127	4.67	2	6.23
054	Smithers	15,878	1,091	13.54	11	9.98	440	5.46	6	5.50
055	Burns Lake	7,683	438	11.36	3	6.80	271	7.03	3	6.85
056	Nechako	14,905	1,079	14.15	8	7.36	523	6.86	6	5.56
057	Prince George	96,341	5,430	11.31	46	8.40	2,739	5.70	18	3.31
059	Peace River South	27,026	1,547	11.77	8	5.14	808	6.15	6	3.88
060	Peace River North	33,291	2,784	17.05	24	8.55	727	4.45	13	4.67
061	Greater Victoria	220,122	8,914	8.22	76	8.45	10,798	9.96	42	4.71
062	Sooke	65,065	3,260	10.64	12	3.67	1,666	5.44	12	3.68
063	Saanich	63,511	1,958	6.24	14	7.10	3,232	10.29	14	7.15
064	Gulf Islands	15,357	433	5.83	3	6.88	679	9.14	1	2.31
065	Cowichan	56,424	2,621	9.57	32	12.06	2,330	8.51	14	5.34
066	Lake Cowichan	6,243	227	7.45	-	-	220	7.22	2	8.81
067	Ladysmith	18,271	747	8.51	6	7.97	1,054	12.01	6	8.03
068	Nanaimo	101,207	4,315	8.79	32	7.36	4,474	9.11	19	4.40
069	Qualicum	45,028	1,229	5.73	8	6.47	2,474	11.53	3	2.44
070	Alberni	31,279	1,620	10.45	25	15.20	1,430	9.23	18	11.11
071	Courtenay	63,239	2,402	7.94	21	8.67	2,535	8.38	6	2.50
072	Campbell River	41,199	1,844	9.19	13	7.00	1,460	7.28	11	5.97
075	Mission	41,470	2,251	11.17	21	9.24	1,391	6.91	8	3.55
076	Agassiz-Harrison	8,927	486	11.09	2	4.10	314	7.16	1	2.06
077	Summerland	11,558	357	6.28	1	2.79	696	12.24	1	2.80
078	Enderby	7,804	361	9.73	3	8.24	407	10.97	-	-
080	Kitimat	10,216	449	8.48	4	8.83	290	5.48	-	-
081	Fort Nelson	6,443	511	15.91	2	3.90	93	2.89	1	1.96
083	Central Coast	1,527	147	19.09	1	6.76	58	7.53	2	13.61
084	Vancouver Island West	2,359	120	10.29	-	-	60	5.14	1	8.33
085	Vancouver Island North	11,995	766	12.40	5	6.49	404	6.54	2	2.61
087	Stikine	1,019	25	4.82	-	-	22	4.24	-	-
088	Terrace	20,304	1,225	12.16	12	9.70	625	6.21	5	4.08
092	Nisga'a	1,859	161	16.63	3	18.29	72	7.44	1	6.21
094	Telegraph Creek	628	48	14.26	2	40.00	18	5.35	-	-
161	Vancouver City Centre	116,253	4,442	8.02	42	9.37	3,129	5.65	12	2.70
162	Van. Downtown E.Side	61,242	2,303	8.06	30	12.86	2,514	8.79	10	4.34
163	Vancouver North East	103,417	5,505	10.93	47	8.47	2,889	5.74	26	4.72
164	Vancouver West Side	131,120	5,639	8.74	47	8.27	3,723	5.77	23	4.08
165	Vancouver Midtown	85,135	5,074	12.04	47	9.18	2,323	5.51	31	6.11
166	Vancouver South	132,738	6,590	10.00	62	9.32	4,183	6.35	32	4.86
201	Surrey	370,891	23,773	13.43	201	8.38	8,515	4.81	114	4.80
202	South Surrey/White Rock	82,088	2,691	6.80	17	6.28	4,306	10.88	5	1.86
	PROVINCIAL TOTAL	**4,381,603**	**210,272**	**9.88**	**1,711**	**8.07**	**153,389**	**7.20**	**850**	**4.04**

Please refer to footnotes on Table E

Table A

SUMMARY STATISTICS BY LOCAL HEALTH AREA, British Columbia, 2004-2008

		Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
	Local Health Area	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
001	Fernie	26	38.86	225	336.32	42	62.78	29	43.35	96	143.50
002	Cranbrook	66	56.07	400	339.85	86	73.07	84	71.37	150	127.44
003	Kimberley	22	64.14	103	300.29	26	75.80	12	34.99	70	204.08
004	Windermere	17	41.77	118	289.93	24	58.97	17	41.77	56	137.59
005	Creston	38	67.74	120	213.90	45	80.21	57	101.60	57	101.60
006	Kootenay Lake	2	12.99	26	168.83	3	19.48	4	25.97	30	194.81
007	Nelson	57	49.83	242	211.54	62	54.20	33	28.85	230	201.05
009	Castlegar	20	44.15	130	286.98	30	66.23	5	11.04	65	143.49
010	Arrow Lakes	8	47.62	46	273.81	12	71.43	4	23.81	27	160.71
011	Trail	52	68.69	205	270.81	71	93.79	38	50.20	118	155.88
012	Grand Forks	17	51.36	88	265.86	20	60.42	22	66.47	57	172.21
013	Kettle Valley	2	15.38	19	146.15	8	61.54	4	30.77	17	130.77
014	Southern Okanagan	48	74.42	181	280.62	52	80.62	40	62.02	96	148.84
015	Penticton	77	48.95	425	270.18	134	85.19	76	48.32	232	147.49
016	Keremeos	6	33.33	50	277.78	10	55.56	9	50.00	23	127.78
017	Princeton	14	104.48	25	186.57	20	149.25	18	134.33	16	119.40
018	Golden	16	45.98	108	310.34	21	60.34	13	37.36	63	181.03
019	Revelstoke	16	43.13	107	288.41	23	61.99	20	53.91	57	153.64
020	Salmon Arm	60	47.39	460	363.35	97	76.62	65	51.34	205	161.93
021	Armstrong-Spallumcheen	20	47.96	147	352.52	25	59.95	17	40.77	44	105.52
022	Vernon	134	50.51	835	314.74	185	69.73	126	47.49	421	158.69
023	Central Okanagan	387	52.30	2,253	304.50	577	77.98	280	37.84	1,324	178.94
024	Kamloops	282	58.79	1,706	355.64	375	78.17	213	44.40	713	148.63
025	100 Mile House	31	61.02	148	291.34	43	84.65	31	61.02	60	118.11
026	North Thompson	13	57.27	57	251.10	12	52.86	15	66.08	26	114.54
027	Cariboo-Chilcotin	79	54.86	431	299.31	148	102.78	120	83.33	155	107.64
028	Quesnel	69	56.65	337	276.68	81	66.50	114	93.60	125	102.63
029	Lillooet	15	59.76	75	298.80	21	83.67	22	87.65	24	95.62
030	South Cariboo	22	73.58	70	234.11	29	96.99	36	120.40	29	96.99
031	Merritt	23	39.45	172	295.03	42	72.04	53	90.91	70	120.07
032	Hope	20	54.35	94	255.43	38	103.26	41	111.41	47	127.72
033	Chilliwack	242	50.29	1,384	287.61	369	76.68	277	57.56	631	131.13
034	Abbotsford	424	51.14	2,235	269.57	555	66.94	279	33.65	996	120.13
035	Langley	341	52.63	1,847	285.07	446	68.84	147	22.69	1,284	198.18
037	Delta	252	56.25	1,510	337.05	333	74.33	59	13.17	1,162	259.38
038	Richmond	462	56.60	2,557	313.24	566	69.34	66	8.09	2,515	308.10
040	New Westminster	214	65.36	991	302.69	267	81.55	67	20.46	886	270.62
041	Burnaby	628	57.99	3,267	301.66	790	72.95	135	12.47	3,144	290.30
042	Maple Ridge	279	59.99	1,476	317.35	365	78.48	112	24.08	973	209.20
043	Coquitlam	610	59.30	3,322	322.93	789	76.70	141	13.71	2,915	283.37
044	North Vancouver	328	53.38	1,920	312.45	468	76.16	53	8.62	2,298	373.96
045	West Vancouver-Bowen Is.	64	45.10	453	319.24	94	66.24	28	19.73	621	437.63
046	Sunshine Coast	39	39.12	270	270.81	72	72.22	44	44.13	233	233.70
047	Powell River	30	44.78	206	307.46	41	61.19	40	59.70	111	165.67
048	Howe Sound	103	47.47	740	341.01	170	78.34	62	28.57	590	271.89
049	Bella Coola Valley	18	76.27	52	220.34	29	122.88	45	190.68	34	144.07
050	Queen Charlotte	17	67.19	74	292.49	29	114.62	18	71.15	44	173.91
051	Snow Country	3	103.45	11	379.31	1	34.48	2	68.97	5	172.41
052	Prince Rupert	34	39.72	240	280.37	75	87.62	115	134.35	118	137.85
053	Upper Skeena	9	28.04	77	239.88	24	74.77	41	127.73	42	130.84
054	Smithers	49	44.91	316	289.64	72	65.99	75	68.74	158	144.82
055	Burns Lake	21	47.95	103	235.16	31	70.78	34	77.63	49	111.87
056	Nechako	55	50.97	273	253.01	63	58.39	106	98.24	101	93.61
057	Prince George	292	53.78	1,571	289.32	375	69.06	347	63.90	690	127.07
059	Peace River South	62	40.08	381	246.28	72	46.54	117	75.63	137	88.56
060	Peace River North	116	41.67	787	282.69	122	43.82	208	74.71	268	96.26
061	Greater Victoria	451	50.59	3,126	350.68	698	78.30	238	26.70	2,188	245.46
062	Sooke	179	54.91	1,192	365.64	264	80.98	98	30.06	631	193.56
063	Saanich	106	54.14	632	322.78	170	86.82	74	37.79	481	245.66
064	Gulf Islands	17	39.26	103	237.88	21	48.50	14	32.33	111	256.35
065	Cowichan	164	62.57	650	248.00	260	99.20	190	72.49	428	163.30
066	Lake Cowichan	16	70.48	72	317.18	23	101.32	16	70.48	19	83.70
067	Ladysmith	46	61.58	199	266.40	83	111.11	53	70.95	109	145.92
068	Nanaimo	210	48.67	1,250	289.69	358	82.97	223	51.68	682	158.05
069	Qualicum	64	52.07	345	280.72	90	73.23	43	34.99	246	200.16
070	Alberni	84	51.85	444	274.07	153	94.44	168	103.70	212	130.86
071	Courtenay	120	49.96	614	255.62	164	68.28	122	50.79	441	183.60
072	Campbell River	94	50.98	638	345.99	113	61.28	135	73.21	227	123.10
075	Mission	118	52.42	639	283.87	181	80.41	115	51.09	325	144.38
076	Agassiz-Harrison	29	59.67	138	283.95	52	107.00	48	98.77	73	150.21
077	Summerland	13	36.41	105	294.12	21	58.82	22	61.62	76	212.89
078	Enderby	11	30.47	101	279.78	33	91.41	26	72.02	49	135.73
080	Kitimat	19	42.32	168	374.16	31	69.04	35	77.95	59	131.40
081	Fort Nelson	20	39.14	194	379.65	26	50.88	48	93.93	58	113.50
083	Central Coast	8	54.42	39	265.31	19	129.25	17	115.65	9	61.22
084	Vancouver Island West	4	33.33	33	275.00	10	83.33	19	158.33	11	91.67
085	Vancouver Island North	42	54.83	177	231.07	64	83.55	93	121.41	102	133.16
087	Stikine	3	120.00	3	120.00	4	160.00	2	80.00	-	0.00
088	Terrace	58	47.35	268	218.78	99	80.82	129	105.31	129	105.31
092	Nisga'a	6	37.27	32	198.76	16	99.38	34	211.18	11	68.32
094	Telegraph Creek	-	0.00	7	145.83	1	20.83	4	83.33	8	166.67
161	Vancouver City Centre	224	50.43	1,374	309.32	321	72.26	23	5.18	1,470	330.93
162	Van. Downtown E. Side	150	65.13	592	257.06	227	98.57	71	30.83	738	320.45
163	Vancouver North East	363	65.94	1,564	284.11	462	83.92	86	15.62	1,694	307.72
164	Vancouver West Side	273	48.41	1,709	303.07	402	71.29	23	4.08	2,534	449.37
165	Vancouver Midtown	318	62.67	1,487	293.06	419	82.58	56	11.04	1,721	339.18
166	Vancouver South	461	69.95	1,923	291.81	546	82.85	103	15.63	1,951	296.05
201	Surrey	1,553	65.33	7,553	317.71	1,837	77.27	589	24.78	3,952	166.24
202	South Surrey/White Rock	161	59.83	917	340.77	222	82.50	28	10.41	835	310.29
	PROVINCIAL TOTAL	**11,746**	**55.86**	**63,771**	**303.28**	**15,982**	**76.01**	**7,190**	**34.19**	**46,304**	**220.21**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2004-2008

		01 All Causes of Death							02 All Cancer Sites							03 Lung Cancer							04 End/Nut/Met. Diseases						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.04		417		1.02		199	1.01		120		0.90		70	1.27		40		1.05		23	0.66		11		0.09	+	2
002	Cranbrook	1.14	*	1,031	↘	1.11		407	1.07		282		1.06		104	1.15		80		1.09		49	1.43	*	55		1.19		20
003	Kimberley	1.00		383	↘	1.07		150	0.96		104		1.20		59	1.01		29		1.09		19	0.92		15		0.78		6
004	Windermere	0.77	*	252		0.66	*	102	0.80	*	80		0.62	*	38	0.66		23		0.31	*	8	0.43	*	6		0.44		2
005	Creston	1.03		708		1.23	*	265	0.90		176		1.08		100	0.79		41		0.95		27	1.18		35	↗	1.28		14
006	Kootenay Lake	0.95		151		1.15		76	1.36	*	64		1.53		39	1.19		15		1.66		10	0.44		3		0.07	+	1
007	Nelson	1.07	*	944	↘	0.96		359	1.03		256		0.99		138	0.94		61		0.92		39	1.17		43		1.10		16
009	Castlegar	1.21	*	632		1.22	*	244	1.05		155		1.06		90	1.16		45		1.22		30	1.41		31		1.42		13
010	Arrow Lakes	1.06		237		1.12		88	1.30	*	85		1.24		45	1.37		24		1.69		17	1.15		11	↗	0.74		3
011	Trail	1.19	*	1,087	↘	1.35	*	393	1.09		272	↘	1.12		131	0.82		53	↘	0.79		29	1.33		51		1.43		22
012	Grand Forks	1.11	*	506		1.33	*	195	0.88		118		1.05		69	0.67		24		0.98		20	0.86		17		1.12		5
013	Kettle Valley	0.83	*	121	↘	0.87		58	0.75		35		0.77		21	0.54		7		0.74		5	0.47		3		0.29	+	2
014	Southern Okanagan	1.04		1,291	↘	1.25	*	426	1.10		392		1.01		164	1.26	*	120		1.25		58	1.28		69	↗	0.97		17
015	Penticton	1.04	*	2,598		1.32	*	742	1.07		710		1.16		296	1.19	*	203		1.17		95	1.05		111	↗	1.49		29
016	Keremeos	1.12	*	344		1.53	*	141	1.19		107		1.11		55	1.40		34		1.27		17	0.90		12		0.78		3
017	Princeton	1.17	*	284	↘	1.41	*	138	1.34	*	102		1.51	*	69	1.68	*	35		1.73		22	1.12		12		1.55		4
018	Golden	1.07		200	↘	1.07		96	1.01		56		1.10		34	0.96		14		0.99		11	1.42		11	↗	0.71		3
019	Revelstoke	1.04		261	↘	1.06		114	0.96		71		0.75		36	1.23		24		1.02		15	1.80	*	19		1.80		9
020	Salmon Arm	1.01		1,616	↘	1.29	*	637	1.01		468		1.12		251	1.02		126		1.08		72	0.88		60		0.80		19
021	Armstrong-Spallumcheen	0.95		376	↘	1.04		145	0.96		109		0.93		53	0.80		24		0.83		14	0.77		13		0.59		4
022	Vernon	1.08	*	3,086	↘	1.18	*	1,087	1.05		839		1.04		413	1.09		228		1.06		123	1.20	*	145		1.69	*	50
023	Central Okanagan	0.98		7,300	↘	1.00		2,435	0.99		2,069		1.00		971	0.99		540		1.13		302	0.88	*	278	↗	0.94		94
024	Kamloops	1.13	*	4,098	↘	1.17	*	1,790	1.07	*	1,158		1.04		633	1.26	*	364		1.21	*	205	1.31	*	202	↗	1.24		81
025	100 Mile House	1.14	*	622		1.23	*	325	1.04		183		1.13		126	1.05		51		1.05		32	0.71		17		0.31	*	5
026	North Thompson	1.41	*	193		1.72	*	94	1.17		50		1.36		34	1.48		17		1.96		12	0.69		4		0.67		2
027	Cariboo-Chilcotin	1.23	*	884	↘	1.41	*	471	1.01		223		0.95		144	1.15		68		1.25		50	1.88	*	57	↗	1.28		22
028	Quesnel	1.21	*	864		1.27	*	424	1.20	*	261		1.24		161	1.40	*	81		1.17		47	1.55	*	47	↗	1.34		23
029	Lillooet	1.44	*	204		1.76	*	107	1.36	*	57		1.72	*	37	1.97	*	22		2.67	*	16	1.17		7		0.65		3
030	South Cariboo	1.28	*	356		1.70	*	203	1.16		101		1.17		70	1.47	*	35		1.36		24	1.57		19	↗	1.86		12
031	Merritt	1.38	*	558		1.76	*	297	1.11		133		1.21		87	0.95		30		1.11		21	1.17		20		1.43		11
032	Hope	1.44	*	524		1.88	*	252	1.45	*	156		1.57	*	93	2.00	*	58		1.69		36	2.23	*	35	↗	2.86		14
033	Chilliwack	1.12	*	3,427	↘	1.18	*	1,321	1.16	*	999		1.29	*	527	1.16	*	262		1.39	*	158	1.02		132		1.17		55
034	Abbotsford	1.02		4,848	↘	1.01		1,623	0.97		1,194		0.95		580	0.83	*	266		0.93		153	1.21	*	230	↗	1.26		89
035	Langley	1.06	*	4,399	↘	0.92	*	1,560	1.07	*	1,224	↘	1.03		620	1.15	*	338	↘	1.02		176	0.95		163		0.98		80
037	Delta	0.97		3,121	↘	0.80	*	1,121	0.99		925	↘	1.01		513	0.91		224	↘	0.97		136	0.79	*	106		0.83		40
038	Richmond	0.75	*	4,482	↘	0.58	*	1,551	0.82	*	1,387	↘	0.77	*	715	0.82	*	361	↘	0.70	*	194	0.77	*	192		0.59	*	73
040	New Westminster	1.15	*	2,575	↘	1.15	*	932	1.16	*	683		1.17	*	339	1.37	*	206		1.34	*	113	1.04		95		1.30		39
041	Burnaby	0.93	*	6,882	↘	0.75	*	2,217	0.87	*	1,762	↘	0.86	*	852	0.82	*	429	↘	0.76	*	215	0.94		286		0.91		98
042	Maple Ridge	1.11	*	2,734	↘	1.01		1,156	1.12	*	790		1.02		423	1.37	*	253		1.31	*	152	1.14		116		1.11		53
043	Coquitlam	0.91	*	4,682	↘	0.75	*	1,964	1.00		1,494	↘	0.92	*	859	1.01		396	↘	0.91		232	0.83	*	175		0.62	*	62
044	North Vancouver	0.91	*	4,136	↘	0.69	*	1,336	0.90	*	1,147	↘	0.85	*	592	0.78	*	258	↘	0.76	*	157	0.91		172		0.78		58
045	West Vancouver-Bowen Is	0.84	*	2,367	↘	0.57	*	518	0.88	*	660	↘	0.79	*	268	0.57	*	111	↘	0.48	*	47	0.48	*	57		0.22	*	11
046	Sunshine Coast	0.99		1,355	↘	1.04		516	1.12	*	441		1.14		238	1.12		117		1.15		73	0.72	*	42		0.88		19
047	Powell River	1.06	*	974	↘	1.18	*	375	1.07		278		0.97		140	0.96		66		0.86		43	1.17		45		0.66		15
048	Howe Sound	1.01		589	↘	1.09		357	0.91		156	↘	0.77	*	94	0.94		42	↘	0.83		24	1.21		28		0.67		16
049	Bella Coola Valley	1.23	*	101		2.28	*	72	0.92		23		1.48		20	0.89		6		1.24		6	0.87		3		2.25		3
050	Queen Charlotte	1.36	*	161		1.55	*	88	1.05		38		0.95		26	1.57		15		1.62		12	1.43		7		1.12		3
051	Snow Country	1.18		16		2.03		11	1.06		5		0.46		3	0.77		1		-		-	-		-		-		-
052	Prince Rupert	1.29	*	475	↘	1.19		245	1.18		132		0.93		72	1.05		31		0.59	*	18	1.76	*	27		1.82		13
053	Upper Skeena	1.06		127		1.24		77	0.85		32		0.85		22	0.90		9		0.59		8	2.57	*	13		2.98		7
054	Smithers	1.16	*	440		1.18		216	1.10		126		1.12		77	1.36		41		1.35		24	1.33		21	↗	1.15		9
055	Burns Lake	1.19	*	271	↘	1.40	*	131	1.07		73		0.96		45	1.32		24		0.87		15	1.97	*	19	↗	1.10		6
056	Nechako	1.40	*	523		1.52	*	273	1.15		132		1.24		81	1.33		41		1.26		26	1.59	*	25		1.19		12
057	Prince George	1.25	*	2,739	↘	1.25	*	1,565	1.29	*	873		1.31	*	599	1.56	*	280		1.50	*	191	1.68	*	153	↗	2.05	*	89
059	Peace River South	1.20	*	808	↘	1.24	*	420	1.16	*	240		1.16		154	1.39	*	77		1.29		48	1.94	*	55	↗	1.23		22
060	Peace River North	1.19	*	727		1.28	*	416	1.22	*	218		1.15		147	1.27		59		1.43		45	1.46	*	36		0.93		16
061	Greater Victoria	1.00		10,798	↘	1.06	*	2,956	1.01		2,749	↘	1.04		1,151	0.97		662	↘	1.08		318	0.96		426	↗	1.40	*	145
062	Sooke	1.00		1,666	↘	0.89	*	731	1.06		519	↘	1.03		297	1.10		141	↘	0.93		74	1.06		73		0.75		27
063	Saanich	0.85	*	3,232	↘	0.82	*	816	0.97		998	↘	0.95		398	0.73	*	192	↘	0.65	*	81	0.57	*	92		0.59	*	21
064	Gulf Islands	0.78	*	679	↘	0.87		239	0.84	*	210	↘	0.91		106	0.74	*	40		1.28		30	0.64	*	24		0.85		9
065	Cowichan	1.05	*	2,330	↘	1.20	*	932	1.10	*	701		1.14		367	1.07		180		1.15		107	0.84		79		0.82		30
066	Lake Cowichan	1.04		220		1.29		113	1.05		69		1.17		42	1.46		26		1.56		18	0.77		7		0.34	+	3
067	Ladysmith	1.17	*	1,054	↘	1.25	*	348	1.16	*	297		1.23		150	1.25		84		1.16		41	1.01		39	↗	1.97		15
068	Nanaimo	1.06	*	4,474	↘	1.15	*	1,683	1.07	*	1,258	↘	1.11		660	1.16	*	357		1.18		200	1.34	*	238	↗	1.14		72
069	Qualicum	0.93	*	2,474	↘	1.02		828	1.00		777	↘	1.06		384	0.94		198		1.04		112	0.74	*	66		0.77		27
070	Alberni	1.24	*	1,430	↘	1.60	*	659	1.22	*	413		1.14		222	1.40	*	126		1.25		62	1.85	*	91		2.32	*	46
071	Courtenay	1.00		2,535	↘	0.97		958	1.02		749	↘	1.02		402	1.01		198		0.95		113	0.88		95		0.94		31
072	Campbell River	1.14	*	1,460	↘	1.28	*	717	1.15	*	444	↘	1.19	*	262	1.42	*	146		1.37	*	87	1.16		63		0.78		21
075	Mission	1.22	*	1,391	↘	1.22	*	607	1.27	*	413		1.31	*	256	1.44	*	122		1.74	*	87	1.44	*	68	↗	0.93		21
076	Agassiz-Harrison	0.87	*	314	↘	1.45	*	158	0.76	*	80		1.21		52	0.75		21		0.86		15	0.84		13		1.50		5
077	Summerland	0.95		696	↘	0.85		167	1.02		199		0.86		75	0.91		46		0.77		19	0.61	*	19	↘	0.27	*	6
078	Enderby	1.27	*	407		1.23		154	1.33	*	125		1.09		63	1.44	*	36		1.33		18	0.73		10		0.56		4
080	Kitimat	1.18	*	290		1.01		158	1.12		90		1.01		59	1.42		31		1.18		23	1.82	*	19		1.20		8
081	Fort Nelson	1.31	*	93		1.23		68	1.33		29		1.09		22	1.08		6		1.07		4	0.37		1		0.80		1
083	Central Coast	1.96	*	58		2.39	*	41	0.33	+	3		0.61		3	-		-		-		-	4.14	*	5		2.09		3
084	Vancouver Island West	0.95		60		1.48		50	1.08		22		0.97		18	2.36	*	13		2.67		11	1.12		3		1.17		2
085	Vancouver Island North	1.58	*	404		1.71	*	273	1.51	*	127		1.37	*	84	1.93	*	44		2.02	*	30	1.78	*	19		1.89		16
087	Stikine	0.89		22		0.82		18	0.71		6		0.49		4	1.29		3		1.85		3	0.94		1		0.83		1
088	Terrace	1.29	*	625		1.39	*	357	1.18	*	179		1.14		118	1.23		50		1.35		38	1.56	*	32		1.38		18
092	Nisga'a	1.85	*	72		2.18	*	42	1.33		16		1.44		9	0.94		3		0.65		1	3.10		5		2.48		4
094	Telegraph Creek	1.19		18		3.15	*	14	0.70		3		1.19		3	-		-		-		-	-		-		-		-
161	Vancouver City Centre	1.01		3,129	↘	0.94		1,315	0.99		831	↘	0.90		427	0.87		186	↘	0.77	*	102	0.84		105		0.90		44
162	Van. Downtown E. Side	1.20	*	2,514	↘	2.25	*	1,558	0.98		548	↘	1.32	*	349	1.12		161	↘	1.48	*	102	0.92		79		1.34		45
163	Vancouver North East	0.87	*	2,889	↘	0.82	*	1,082	0.98		929		0.99		460	0.92		231		0.77	*	109	0.89		124		0.52	*	40
164	Vancouver West Side	0.80	*	3,723	↘	0.59	*	968	0.78	*	956	↘	0.76	*	429	0.54	*	166	↘	0.49	*	76	0.65	*	123		0.41	*	24
165	Vancouver Midtown	0.92	*	2,323	↘	0.91	*	913	0.86	*	602	↘	0.87		310	0.86		155	↘	0.74	*	73	0.83		86		0.94		42
166	Vancouver South	0.84	*	4,183	↘	0.72	*	1,243	0.82	*	1,099	↘	0.78	*	503	0.83	*	284		0.71	*	130	0.82	*	169		0.84		49
201	Surrey	1.02		8,515	↘	1.02		4,110	0.94	*	2,325	↘	0.99		1,423	0.90	*	584	↘	0.95		362	1.27	*	440	↗	1.07		186
202	South Surrey/White Rock	0.93	*	4,306	↘	0.77	*	990	0.96		1,162		0.88	*	470	0.90		277		0.74	*	119	0.80	*	156	↗	0.90		34
	PROVINCIAL TOTAL	**1.00**		**153,369**	↘	**1.00**		**57,872**	**1.00**		**42,063**	↘	**1.00**		**22,280**	**1.00**		**11,208**	↘	**1.00**		**6,280**	**1.00**		**6,408**	↗	**1.00**		**2,379**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, British Columbia, 2004-2008

		05 Diabetes							06 Circulatory System							07 Ischemic Heart Diseases							08 Cerebrovascular Disease/Stroke						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	0.61		6		0.13	+	2	0.99		117	↘	0.82		41	0.86		46	↘	0.75		23	0.86		23	↘	0.42	+	4
002	Cranbrook	1.55	*	47		1.10		16	1.06		300	↘	0.68	*	58	1.03		135	↘	0.74		25	0.89		59	↘	0.59	*	10
003	Kimberley	0.93		12		0.62		4	0.93		115	↘	0.88		27	0.61	*	35	↘	0.76		16	0.98		28		1.09		3
004	Windermere	0.45		5		0.51		1	0.70	*	69		0.77		22	0.62	*	29		1.07		13	0.83		21		0.34	+	4
005	Creston	1.10		26	↗	1.36		12	1.16	*	264		1.19		58	1.17		123		1.53		34	0.99		53		0.62		10
006	Kootenay Lake	0.56		3		0.10	+	1	0.54	*	27	↘	0.39	*	8	0.81		19	↘	0.62		6	0.43		5		0.29	+	1
007	Nelson	1.24		36		0.63		10	1.29	*	360		1.21		88	1.30	*	167		1.11		42	1.35	*	88		1.31		19
009	Castlegar	1.50		26		1.56		10	1.27	*	213	↘	1.33		53	1.23		95	↘	1.00		24	1.26		50		1.36		10
010	Arrow Lakes	0.86		5		-		-	0.78		56	↘	0.86		12	0.75		25	↘	0.57		4	0.86		11		0.67		3
011	Trail	1.38		42		1.50		19	1.24	*	375	↘	1.40	*	90	1.20	*	166	↘	1.17		36	1.14		83	↘	1.04		16
012	Grand Forks	0.95		15		0.68		3	1.32	*	194	↘	1.28		48	1.48	*	102		1.45		32	1.34		46	↘	0.71		7
013	Kettle Valley	0.50		3		0.41		2	0.95		41		1.00		15	0.81		17		0.98		7	1.14		11		1.03		3
014	Southern Okanagan	1.29		56	↗	1.09		14	0.90	*	371	↘	1.22		95	0.81	*	154	↘	1.16		48	0.89		86	↘	1.35		15
015	Penticton	0.95		80		0.92		17	0.92	*	785	↘	1.19		137	0.96		373	↘	1.16		79	0.90		186	↘	1.02		22
016	Keremeos	0.94		10		0.58		2	1.08		108		1.22		27	0.92		43	↘	0.98		9	0.95		22		1.26		5
017	Princeton	1.16		10		0.36	+	3	1.06		80	↘	1.06		29	1.06		38	↘	1.23		18	1.17		20		1.33		6
018	Golden	1.81		11	↗	1.08		3	1.30	*	71		1.20		25	1.16		30	↘	1.72		12	1.22		15		1.20		6
019	Revelstoke	1.81	*	15		2.11		8	1.06		81	↘	1.73		31	0.81		29	↘	1.43		13	1.07		19	↘	1.81		6
020	Salmon Arm	0.90		49		1.04		16	0.92		475	↘	1.09		133	0.86	*	205	↘	1.02		73	0.88		108		1.02		26
021	Armstrong-Spallumcheen	0.88		9		0.15	+	1	0.89		125	↘	1.03		31	0.84		49	↘	0.76		16	0.78		23	↘	1.49		6
022	Vernon	1.25	*	120		1.29		37	1.10	*	1,025	↘	1.23	*	236	1.02		439	↘	1.21		120	1.05		232	↘	1.09		45
023	Central Okanagan	0.88		220	↗	0.88		69	1.01		2,444	↘	1.01		506	0.93	*	1,039	↘	0.94		247	0.99		567	↘	1.18		106
024	Kamloops	1.31	*	160	↗	1.17		62	1.07	*	1,188	↘	1.10		350	1.11	*	574	↘	1.44	*	226	0.98		251	↘	0.65	*	42
025	100 Mile House	0.84		16		0.42	+	4	1.18	*	191		1.08		65	1.21		94		1.06		37	1.41	*	51		0.75		11
026	North Thompson	0.87		4		0.99		2	1.37	*	55		1.59		19	1.61	*	31		1.73		11	1.10		10		1.28		4
027	Cariboo-Chilcotin	2.06	*	49	↗	1.66		20	1.22	*	255	↘	1.11		90	1.06		105	↘	1.01		45	1.22		58	↘	1.51		19
028	Quesnel	1.54	*	37	↗	1.04		17	1.13		240	↘	1.15		77	0.98		99	↘	1.11		39	1.11		54		0.71		10
029	Lillooet	1.27		6		0.87		2	1.11		48	↘	1.52		20	1.08		22	↘	1.27		9	0.51		5		1.40		2
030	South Cariboo	1.35		13		1.90		8	1.00		84	↘	1.55		36	1.00		40	↘	1.61		21	0.89		17	↘	1.66		6
031	Merritt	1.25		17		1.93		10	1.56	*	196		2.10	*	77	1.60	*	94	↘	1.99	*	40	1.59	*	46		1.00		15
032	Hope	2.32	*	29	↗	2.70		12	1.25	*	144	↘	1.66	*	53	1.35	*	73	↘	1.41		28	1.13		30		2.52		9
033	Chilliwack	1.02		105		1.38		44	1.09	*	1,064	↘	1.25	*	268	1.18	*	532	↘	1.33	*	155	1.00		231	↘	1.35		50
034	Abbotsford	1.25	*	186	↗	1.39		68	1.06	*	1,589	↘	0.98		315	1.15	*	774	↘	1.12		183	0.98		336	↘	1.20		68
035	Langley	0.93		126		0.86		43	1.09	*	1,440	↘	1.10		340	1.25	*	758	↘	1.35	*	215	1.06		331	↘	1.04		54
037	Delta	0.69	*	73		0.58	*	27	1.08	*	1,071	↘	0.94		230	1.09		503	↘	0.93		122	1.12		257	↘	0.73		40
038	Richmond	0.82	*	161		0.71	*	58	0.76	*	1,413	↘	0.60	*	307	0.75	*	656	↘	0.55	*	153	0.85	*	372	↘	0.73	*	67
040	New Westminster	1.05		75		1.44		31	1.25	*	905	↘	1.34	*	201	1.47	*	480		1.38	*	115	1.04		182	↘	1.46		35
041	Burnaby	0.93		224		0.92		74	1.00		2,361	↘	0.84	*	479	1.21	*	1,300	↘	0.95		272	0.88	*	490	↘	0.89		93
042	Maple Ridge	1.12		90		1.40		42	1.16	*	867	↘	1.09		235	1.29	*	447	↘	1.29	*	132	1.13		197	↘	1.03		46
043	Coquitlam	0.83	*	136		0.60	*	50	0.91	*	1,372	↘	0.72	*	336	0.92	*	645	↘	0.73	*	165	0.93		325	↘	0.70	*	59
044	North Vancouver	0.96		145		0.83		45	0.99		1,408	↘	0.73	*	270	0.92		606	↘	0.83	*	136	1.15	*	389	↘	0.72	*	52
045	West Vancouver-Bowen Is	0.49	*	46		0.22	*	9	0.93	*	882	↘	0.46	*	94	0.81	*	355	↘	0.33	*	43	1.18	*	274	↘	0.47	*	19
046	Sunshine Coast	0.67	*	31		1.01		14	0.97		428	↘	1.02		105	0.85	*	174	↘	1.20		57	1.16		119		0.58	*	16
047	Powell River	1.08		33		0.55	*	10	1.03		298	↘	1.33		85	1.07		143	↘	1.43		47	0.93		63	↘	0.70		12
048	Howe Sound	1.17		21		0.79		13	1.05		161	↘	1.30		79	1.10		81	↘	1.30		40	0.97		33		1.31		15
049	Bella Coola Valley	1.10		3		3.49		3	1.25		30		1.84		15	1.76	*	20		2.21		10	0.56		3		0.77		1
050	Queen Charlotte	1.57		6		0.80		2	1.10		37		1.70		17	1.00		16		1.70		10	1.21		9		2.14		3
051	Snow Country	-		-		-		-	1.15		4		0.22	+	2	0.57		1		0.20	+	1	1.44		1		0.64		1
052	Prince Rupert	2.00	*	24		1.27		10	1.38	*	146	↘	1.87	*	65	1.21		61	↘	1.24		28	1.41		34		3.61	*	14
053	Upper Skeena	2.78	*	11		2.52		5	0.90		30	↘	0.85		15	0.94		15		0.58		7	0.68		5	↘	1.12		2
054	Smithers	1.38		17		1.29		7	1.00		108	↘	0.68	*	31	0.86		44	↘	0.78		16	0.78		19		0.46	*	5
055	Burns Lake	1.84	*	14		1.43		4	1.05		71	↘	1.48		24	1.21		39		1.28		13	0.84		13	↘	2.47		5
056	Nechako	1.54		19		1.39		10	1.42	*	150		1.47		51	1.18		60		1.51		28	1.52	*	36		1.28		8
057	Prince George	1.57	*	112	↗	1.86	*	65	1.15	*	708	↘	1.11		285	1.03		303	↘	1.01		131	1.15		158	↘	1.01		56
059	Peace River South	2.29	*	51	↗	1.71		20	1.17	*	225	↘	1.01		78	1.19		109		1.23		45	0.96		42		0.51	*	10
060	Peace River North	1.42		27		1.06		12	1.03		171	↘	1.20		69	0.99		78	↘	1.36		35	1.07		40		0.76		14
061	Greater Victoria	0.90		315	↗	1.32		99	1.01		3,786	↘	1.03		537	0.95		1,586	↘	0.94		286	1.04		944	↘	1.20		113
062	Sooke	0.89		48		0.48	*	19	1.01		494	↘	0.97		154	0.97		222	↘	0.94		79	1.06		119		0.88		27
063	Saanich	0.57	*	74		0.51	*	17	0.77	*	995	↘	0.62	*	144	0.69	*	411	↘	0.66	*	71	0.87	*	270	↘	0.75		29
064	Gulf Islands	0.50	*	15	↗	1.16		8	0.78	*	223	↘	0.80		51	0.59	*	78	↘	0.95		27	0.89		60		0.33	*	7
065	Cowichan	0.88		66		0.82		24	1.00		713	↘	1.13		165	0.96		317	↘	0.85		68	0.92		153	↘	1.46		27
066	Lake Cowichan	0.83		6		0.42		2	1.12		71	↘	1.28		26	1.03		31		0.86		11	1.25		18		2.14		7
067	Ladysmith	0.98		30		1.16		11	1.15	*	340	↘	0.97		74	1.01		138	↘	0.80		32	1.28	*	89		0.83		16
068	Nanaimo	1.41	*	198	↗	1.24		62	1.06	*	1,448	↘	1.13		324	1.09	*	685	↘	1.18		174	1.01		324	↘	0.82		48
069	Qualicum	0.74	*	69		0.83		23	0.92	*	799	↘	0.79	*	153	0.92		374	↘	0.91		86	0.86	*	175	↘	0.65	*	27
070	Alberni	1.85	*	72		2.09	*	34	1.14	*	410	↘	1.54	*	130	1.19	*	201	↘	1.33		67	1.05		88	↘	2.04	*	26
071	Courtenay	0.90		77		0.97		23	1.01		808	↘	0.95		208	0.93		347	↘	0.99		114	1.21	*	226	↘	1.12		45
072	Campbell River	1.10		47		0.48	*	15	1.13	*	433	↘	1.10		144	0.97		176	↘	0.92		64	1.21		106		1.38		31
075	Mission	1.54	*	57	↗	1.28		20	1.15	*	401	↘	1.06		98	1.18	*	191	↘	0.84		42	1.04		84		1.35		21
076	Agassiz-Harrison	0.97		12		2.24		5	0.76	*	88	↘	1.01		33	0.80		43	↘	0.87		17	0.75		20	↘	1.10		7
077	Summerland	0.61	*	15		0.34	*	5	0.85	*	213	↘	0.86		35	0.81	*	93	↘	0.73		17	1.03		62		1.21		9
078	Enderby	0.55		6		0.47		2	1.29	*	131		1.00		30	1.34	*	64	↘	0.94		17	1.19		28		0.86		4
080	Kitimat	1.95	*	16	↗	1.64		6	1.29	*	85		0.98		32	1.37		44		1.54		23	1.17		17		0.29	+	3
081	Fort Nelson	0.50		1		1.37		1	1.75	*	28		1.52		12	1.47		11		1.98		7	1.35		4		0.29	+	1
083	Central Coast	4.27	+	4		2.33		2	1.90	*	15		1.74		7	1.84		7		1.33		3	3.50	*	6		4.26		2
084	Vancouver Island West	0.95		2		0.86		1	0.62		11		1.28		8	0.46		4		1.30		4	0.26		1		0.81		1
085	Vancouver Island North	1.69		14		1.94		11	1.42	*	94	↘	1.90	*	52	1.47	*	48	↘	2.36	*	31	1.70	*	24		1.91		10
087	Stikine	1.20		1		1.21		1	0.92		6		0.44	*	5	0.93		3		0.60		3	0.71		1		0.38		1
088	Terrace	1.61	*	26		1.41		13	1.42	*	193		1.43	*	75	1.31	*	86		1.56		44	1.36		41		1.48		13
092	Nisga'a	3.19		4		2.00		3	2.47	*	26		2.19		10	1.76		9		1.27		3	3.03	*	7		6.18		5
094	Telegraph Creek	-		-		-		-	0.67		3		0.14	+	1	0.47		1		0.29	+	1	1.01		1		-		-
161	Vancouver City Centre	0.83		81	↗	1.14		35	0.93	*	884	↘	1.00		256	0.91		392	↘	0.94		133	0.98		218	↘	0.85		36
162	Van. Downtown E. Side	0.85		58		1.38		36	1.05		709	↘	2.48	*	313	0.98		303	↘	1.90	*	140	0.98		157	↘	2.18	*	52
163	Vancouver North East	0.93		103		0.41	*	30	0.81	*	837	↘	0.86		209	0.73	*	348	↘	0.65	*	86	0.95		232	↘	0.99		47
164	Vancouver West Side	0.57	*	85		0.46	*	17	0.76	*	1,163	↘	0.49	*	162	0.70	*	480	↘	0.43	*	67	0.80	*	294	↘	0.45	*	30
165	Vancouver Midtown	0.81		66		1.16		33	0.95		738	↘	1.09		194	0.88	*	314	↘	0.92		88	1.08		198	↘	1.11		40
166	Vancouver South	0.83	*	134		0.79		39	0.84	*	1,347	↘	0.72	*	249	0.80	*	584	↘	0.60	*	112	0.95		365	↘	1.16		69
201	Surrey	1.37	*	369	↗	1.24		154	1.07	*	2,589	↘	1.10	*	831	1.17	*	1,329	↘	1.27	*	506	0.99		548	↘	1.04		139
202	South Surrey/White Rock	0.70	*	107		0.50	*	21	0.95	*	1,521	↘	0.69	*	187	1.08	*	781	↘	0.70	*	96	0.91		351	↘	0.70	*	43
	PROVINCIAL TOTAL	**1.00**		**5,054**	↗	**1.00**		**1,825**	**1.00**		**48,658**	↘	**1.00**		**11,484**	**1.00**		**22,409**	↘	**1.00**		**6,036**	**1.00**		**11,468**	↘	**1.00**		**2,133**

Please refer to footnotes on Table E

		09 Arteries/Arterioles/Capillaries							10 Respiratory System							11 Pneumonia and Influenza							12 Chronic Lung Disease						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.47		11		1.29		5	1.13		44		0.98		16	0.99		15		0.14	+	1	1.44		23		1.54		11
002	Cranbrook	1.42		25		1.38		11	1.20		114		1.19		34	0.81		30		0.60		7	1.51	*	59		1.45		16
003	Kimberley	1.58		12		2.11		4	1.04		43		1.33		13	0.61		10		0.08	+	1	1.47		25		2.93		10
004	Windermere	0.47		3	↘	0.10	+	1	0.93		31		0.86		8	0.55		7		0.50		1	1.20		17		0.62		3
005	Creston	1.07		15		0.56		4	0.89		69		1.72		22	0.69		21		1.81		4	1.00		32		1.60		12
006	Kootenay Lake	0.64		2		-		-	0.60		10		0.29	+	3	0.77		5		0.86		3	0.43		3		-		-
007	Nelson	1.82	*	31		3.88	*	15	0.84		78		0.98		20	0.43	*	16	↘	0.70		4	1.22		46		0.78		10
009	Castlegar	1.95	*	20		2.13		9	1.08		61		2.12		22	0.88		20		2.66		9	1.41		32	↗	1.41		9
010	Arrow Lakes	0.90		4		-		-	0.88		21	↘	0.40		3	0.74		7	↘	-		-	1.22		12		0.88		2
011	Trail	1.27		23		3.29		11	1.02		104		1.50		23	0.65	*	27		1.65		5	1.55	*	63		1.26		14
012	Grand Forks	1.19		11		2.79		4	0.93		47		0.94		8	1.33		26		1.13		3	0.71		15		0.24	+	2
013	Kettle Valley	0.69		2		2.45		2	0.69		10		0.79		4	0.19		1		0.51		1	1.25		8		1.53		3
014	Southern Okanagan	0.90		23	↘	1.03		9	0.92		130		1.20		28	0.87		48		0.74		7	0.89		53		1.24		13
015	Penticton	0.81		41		1.25		10	1.09		319		1.26		51	1.22	*	147		1.59		19	1.03		121		1.11		24
016	Keremeos	1.59		10		1.76		4	0.99		34		0.86		10	0.83		11		-		-	1.25		18		1.56		7
017	Princeton	0.61		3	↘	0.58		2	1.29		33		1.42		10	1.60		15		2.89		3	0.99		11		1.03		5
018	Golden	3.45	*	12	↗	0.76		3	1.05		19		0.55		8	1.14		8		0.40		2	1.32		10		1.19		6
019	Revelstoke	1.46		7		3.64		4	1.14		29		0.94		6	1.81	*	18		1.97		4	0.76		8		0.58		2
020	Salmon Arm	1.19		38		1.20		14	0.97		170		0.54	*	31	0.79		54		0.23	*	5	1.32	*	96		0.90		22
021	Armstrong-Spallumcheen	1.53		12		1.20		2	0.89		38	↘	0.91		9	0.71		12		0.97		3	1.14		20		1.52		6
022	Vernon	1.21		69	↘	0.93		18	1.03		326		0.87		64	0.94		119		1.12		18	1.22	*	157		0.81		33
023	Central Okanagan	1.04		154		0.98		42	0.93	*	765	↘	0.78	*	128	0.88	*	288	↘	0.84		29	1.02		344		0.81		68
024	Kamloops	1.07		75	↘	1.00		23	1.04		387	↘	1.18		125	0.78	*	111	↘	1.22		30	1.32	*	207		1.30		72
025	100 Mile House	1.11		12		1.22		5	1.29	*	70		1.61		26	1.44		28		2.30		7	1.39		33		1.68		17
026	North Thompson	1.52		4		3.05		1	1.49		20		2.22		11	1.39		7		3.96		4	1.76		10		2.03		6
027	Cariboo-Chilcotin	1.70	*	23		1.35		9	1.05		73	↘	1.19		27	0.69		18	↘	1.20		7	1.27		37	↘	0.83		11
028	Quesnel	1.31		18		2.80		10	1.23		88		1.12		23	1.11		30		0.94		5	1.62	*	49		1.62		14
029	Lillooet	3.29	*	9		1.35		4	1.60	*	23		1.47		7	1.26		7		0.16	+	1	1.67		10		2.20		4
030	South Cariboo	1.46		8		0.91		4	1.10		31		1.90		8	0.77		8		5.11		4	1.55		19		0.39	+	3
031	Merritt	1.39		11		2.43		7	1.40	*	59		1.88		22	1.04		17		1.11		4	1.66	*	29		1.95		11
032	Hope	0.82		6	↘	2.55		6	1.44	*	56		1.44		13	1.34		20		1.91		5	1.83	*	30		1.99		8
033	Chilliwack	0.91		55	↘	0.88		18	1.34	*	447	↗	1.67	*	123	1.51	*	198		1.72		35	1.25	*	171		1.83	*	63
034	Abbotsford	0.83		73	↘	0.48	*	12	1.08		534		1.06		107	1.30	*	263		1.01		29	0.99		198		1.29		57
035	Langley	0.84		67	↘	0.66		19	1.21	*	535		0.75	*	106	1.24	*	224		0.52	*	23	1.29	*	229		1.21		64
037	Delta	0.92		57	↘	0.47	*	16	0.97		322		0.96		63	1.22	*	159		1.25		20	0.77	*	105		0.77		28
038	Richmond	0.73	*	84		0.49	*	21	0.78	*	486	↘	0.36	*	73	0.74	*	185	↘	0.16	*	17	0.70	*	176	↘	0.30	*	28
040	New Westminster	1.10		47		1.17		12	1.11		267	↘	1.28		52	0.97		98	↘	1.37		14	1.14		107		1.51		27
041	Burnaby	0.65	*	93	↘	0.62	*	26	1.11	*	877		0.67	*	151	1.17	*	378		0.48	*	32	1.05		334		0.88		81
042	Maple Ridge	0.71	*	33		1.08		13	1.19	*	299		1.13		85	1.12		111		0.72		18	1.20	*	123		1.60	*	46
043	Coquitlam	0.65	*	61	↘	0.67	*	21	0.96		479	↘	0.61	*	106	1.00		196	↘	0.47	*	23	0.86	*	175	↘	0.55	*	47
044	North Vancouver	0.95		83	↘	0.64	*	23	0.92		441	↘	0.50	*	65	1.09		210	↘	0.69		18	0.75	*	145	↘	0.35	*	30
045	West Vancouver-Bowen Is.	1.00		57		0.47	*	10	0.87	*	283	↘	0.41	*	28	1.24	*	167	↘	0.35	*	9	0.54	*	69	↘	0.32	*	12
046	Sunshine Coast	1.03		28		1.04		11	0.88		131		0.63	*	25	1.21		71		1.27		14	0.58	*	36		0.30	*	7
047	Powell River	0.95		17		1.39		6	0.86		83		0.83		17	0.71		27		0.86		3	1.17		47		1.19		12
048	Howe Sound	0.80		8	↘	0.40	*	6	0.81		41		0.76		17	0.83		16		0.89		8	0.97		20		1.05		5
049	Bella Coola Valley	1.28		2		2.09		2	0.75		6		0.62		3	0.66		2		0.71		1	1.18		4		1.02		2
050	Queen Charlotte	0.92		2		2.91		2	1.46		16		2.19		6	1.19		5		3.02		1	1.97		9		2.59		4
051	Snow Country	4.02		1		-		-	0.87		1		-		-	-		-		-		-	1.97		1		-		-
052	Prince Rupert	1.76		12		3.24		8	1.00		35		0.46	*	8	0.60		8		-		-	1.16		17		0.23	+	4
053	Upper Skeena	0.90		2		0.85		2	1.18		13		0.92		5	1.25		5		0.70		1	0.42		2		-		-
054	Smithers	1.15		8		1.33		3	1.18		42		0.93		14	0.68		9		0.37		2	1.74	*	26		1.37		9
055	Burns Lake	0.69		3		1.63		2	1.05		24		1.26		6	0.81		7		0.66		1	1.14		11		0.80		2
056	Nechako	1.58		11		0.73		2	1.84	*	65		2.47		24	1.53		20		0.58		2	2.57	*	39	↗	5.03	*	18
057	Prince George	1.89	*	76		2.13	*	42	1.20	*	243	↘	1.38	*	103	0.96		73	↘	1.30		29	1.35	*	115		1.40		46
059	Peace River South	1.19		15		1.46		7	1.13		73	↘	1.24		23	1.08		26		1.34		6	1.27		35		0.97		13
060	Peace River North	1.31		14		1.66		9	1.41	*	78		0.80		22	1.28		27		0.46	*	5	1.67	*	38		1.62		15
061	Greater Victoria	0.90		194	↘	0.98		44	0.85	*	1,062	↘	0.87		155	0.70	*	375	↘	0.52	*	30	0.97		468	↘	1.16		89
062	Sooke	0.81		25	↘	0.73		7	0.89		145	↘	1.05		47	0.74	*	47		1.14		17	1.03		69		0.83		21
063	Saanich	0.74	*	57	↘	0.44	*	11	0.85	*	375		0.94		48	0.77	*	140	↘	1.12		9	0.83	*	148		0.62	*	22
064	Gulf Islands	1.08		19		0.59		4	0.64	*	62	↘	0.78		14	0.73		28		0.42	+	4	0.48	*	19	↘	0.90		6
065	Cowichan	1.30		57	↘	1.75		23	1.07		258	↘	1.45		71	0.98		93	↘	1.57		19	1.16		115		1.27		32
066	Lake Cowichan	1.70		7		2.75		3	0.94		20		0.97		5	1.66		13	↗	2.43		4	0.44		4	↘	0.31	+	1
067	Ladysmith	1.44		26		0.93		9	1.26	*	126		1.36		23	1.36	*	54		1.34		7	1.15		47		0.92		14
068	Nanaimo	1.12		93	↘	1.08		28	0.97		444	↘	1.21		125	0.72	*	132		0.86		23	1.12		209		1.43		71
069	Qualicum	0.94		51	↘	1.04		16	0.86	*	258		0.75		40	0.90		103		0.64		7	0.86		108		0.71		22
070	Alberni	1.11		25		0.45	*	7	0.99		119		1.06		36	0.68	*	32	↘	0.96		10	1.24		62		1.13		21
071	Courtenay	1.16		58		1.02		20	0.89		240	↘	0.88		59	0.62	*	65	↘	0.63		9	1.05		117		1.06		33
072	Campbell River	1.55	*	38		1.37		17	0.92		118		1.09		37	0.75		37		1.23		8	1.01		54		0.99		18
075	Mission	1.11		24		1.10		6	1.31	*	153		1.37		35	0.88		41	↘	0.24	*	5	1.80	*	85		1.20		20
076	Agassiz-Harrison	0.69		5		1.30		2	0.89		35		1.04		11	0.78		12		-		-	0.92		15		1.83		7
077	Summerland	0.74		11		0.16	+	2	0.81		69		0.54	*	10	0.63	*	22	↘	0.88		4	1.02		35		0.47	*	5
078	Enderby	1.09		7		0.73		2	1.15		40		2.07		11	0.89		12		2.41		2	1.30		19		2.07		7
080	Kitimat	1.33		6		1.22		3	1.20		26		1.44		8	1.33		10		2.37		2	0.73		7		0.15	+	2
081	Fort Nelson	3.81	+	4		2.53		1	1.07		5		0.95		3	0.60		1		0.62		1	2.06		4		2.64		2
083	Central Coast	-		-		-		-	3.04	*	8		9.87		6	5.11	*	5		17.40		4	1.80		2		1.94		1
084	Vancouver Island West	2.50		3		1.40		2	1.03		6		3.25		6	0.47		1		3.50		1	1.22		3		2.84		3
085	Vancouver Island North	0.22		1		0.24	+	1	1.98	*	42		2.45	*	19	1.60		12		2.59		5	2.39	*	22		1.97		8
087	Stikine	4.36		2		0.83		1	0.47		1		0.67		1	-		-		-		-	1.06		1		1.81		1
088	Terrace	1.00		9		1.51		4	1.19		54		1.30		22	1.33		22	↘	1.57		7	1.02		20		1.22		10
092	Nisga'a	-		-		-		-	1.74		6		1.70		3	-		-		-		-	3.40	*	5		5.34		3
094	Telegraph Creek	-		-		-		-	0.65		1		7.18		1	1.61		1		18.12		1	-		-		-		-
161	Vancouver City Centre	1.28		72		1.51		31	1.13	*	353	↘	1.04		75	1.31	*	169	↘	1.10		28	0.97		119		0.99		29
162	Van. Downtown E. Side	1.57	*	64		3.31	*	39	1.30	*	292		5.04	*	156	1.31	*	121		6.91	*	72	1.31	*	116	↘	4.61	*	63
163	Vancouver North East	0.73	*	47		1.11		16	0.79	*	278	↘	0.73	*	60	0.81	*	111	↘	0.34	*	15	0.61	*	89	↘	0.63	*	21
164	Vancouver West Side	0.79		71	↘	0.56	*	17	1.05		534	↘	0.67	*	53	1.36	*	293	↘	1.11		30	0.60	*	118		0.35	*	11
165	Vancouver Midtown	1.30		62		1.11		21	0.94		248	↘	0.79		47	1.02		108	↘	0.62		9	0.82		87	↘	0.88		23
166	Vancouver South	0.85		82		0.73		17	0.88	*	479	↘	0.90		83	1.04		233		1.12		30	0.58	*	126	↘	0.49	*	30
201	Surrey	1.06		163	↘	0.66	*	41	1.07	*	866	↘	1.02		239	1.28	*	397		1.23		93	1.00		336	↘	0.80		92
202	South Surrey/White Rock	0.93		87		0.49	*	11	0.95		513		0.72	*	58	1.05		239		0.65		16	0.80	*	170	↘	0.58	*	24
	PROVINCIAL TOTAL	**1.00**		**2,973**	↘	**1.00**		**942**	**1.00**		**16,386**	↘	**1.00**		**3,592**	**1.00**		**6,570**	↘	**1.00**		**983**	**1.00**		**6,631**	↘	**1.00**		**1,759**

Please refer to footnotes on Table E

Table B

MORTALITY STATISTICS BY LOCAL HEALTH AREA, BRITISH COLUMBIA, 2004-2008

		13 Digestive System							14 Motor Vehicle Accidents							15 Unintentional Falls							16 Suicide						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.23		21		0.60		8	2.68	*	17		2.06		12	1.43		6		1.70		2	1.03		8		1.18		8
002	Cranbrook	1.09		41		0.85		21	1.58		17		2.17	*	17	1.03		10		1.01		5	1.02		13		0.95		12
003	Kimberley	0.70		11		0.27	+	4	2.21		8		3.26		7	2.85	*	12	↗	0.16	+	1	1.57		7		1.19		6
004	Windermere	0.87		12		0.56		6	1.88		8		1.66		7	0.59		2		-		-	0.97		5		1.06		5
005	Creston	0.87		24		0.73		7	1.70		9		1.22		7	1.18		9		4.22		3	1.42		9		1.63		8
006	Kootenay Lake	1.36		9		0.83		3	1.27		2		1.45		2	2.95		5		6.12		2	2.50		5		1.74		4
007	Nelson	0.71		26		0.65		10	1.69		18	↘	1.48		17	1.65		16		2.81		5	0.86		11	↘	0.71		9
009	Castlegar	1.77	*	38		0.74		11	1.91		11		2.02		9	1.89		11		3.31		3	0.73		5		0.81		5
010	Arrow Lakes	0.97		9		0.47		3	0.98		2		1.08		2	1.65		4		-		-	0.77		2		1.14		2
011	Trail	1.48	*	55		1.45		26	1.88	*	16		1.96		11	1.54		16		1.03		5	1.07		11		1.36		11
012	Grand Forks	1.30		24		1.33		10	3.82	*	15		4.29	*	14	2.21	*	11		1.78		2	1.05		5		0.64		3
013	Kettle Valley	0.33		2	↘	-		-	1.31		2		1.41		2	0.70		1		-		-	2.51		5		2.10		5
014	Southern Okanagan	1.24		61		2.26	*	31	1.37		12		1.87		11	1.31		18		1.00		4	1.05		11		1.15		7
015	Penticton	1.14		112		1.55		39	1.23		23		1.47		19	0.92		27		1.35		3	1.39		30		1.91	*	30
016	Keremeos	1.47		18		1.11		5	6.63	*	15		9.23	*	14	0.90		3		-		-	1.41		4		1.63		4
017	Princeton	1.70		17		1.40		5	3.70	*	8		5.42	*	8	1.21		3		-		-	0.36		1		-		-
018	Golden	0.51		4		0.54		2	1.24		4		1.82		4	1.03		2		0.17	+	1	0.79		3		0.92		3
019	Revelstoke	1.24		13		0.21	+	3	1.14		4		1.10		4	0.38		1	↘	-		-	0.72		3		0.58		3
020	Salmon Arm	1.13		73		0.96		26	2.72	*	40		3.30	*	34	1.55	*	27		1.59		4	1.53	*	27		2.06	*	24
021	Armstrong-Spallumcheen	0.68		11		0.79		4	2.66	*	11		3.83	*	11	1.16		5		0.14	+	1	1.43		7		0.78		6
022	Vernon	0.86		99	↘	1.00		37	1.32		37	↘	1.28		28	0.85		27		0.86		6	1.28		42		1.46		41
023	Central Okanagan	0.93		279		1.09		114	0.91		70		0.84		59	1.18		98		0.98		20	0.99		88		1.10		82
024	Kamloops	1.29	*	194		1.46	*	100	1.57	*	74	↘	1.46	*	70	1.18		45		0.74		13	1.10		61	↘	1.14		57
025	100 Mile House	1.47	*	34		1.72		21	3.17	*	20		3.76	*	19	0.56		3		0.51		2	1.51		12		1.35		11
026	North Thompson	2.58	*	15		0.65		3	2.75		5		4.26		5	0.72		1		-		-	1.77		4		2.34		4
027	Cariboo-Chilcotin	1.44	*	44		1.72		27	3.24	*	37		3.35	*	36	1.37		10		0.39		2	1.18		16		1.34		16
028	Quesnel	1.13		34		1.37		19	2.11	*	21		2.32	*	21	0.95		7	↘	0.61		3	1.00		12		0.74		9
029	Lillooet	2.37	*	14		2.05		6	1.08		2		1.89		2	2.01		3		3.59		2	0.89		2		1.01		2
030	South Cariboo	2.50	*	29		3.13	*	19	4.84	*	15		3.52	*	12	0.71		2		1.24		1	0.78		3		0.80		3
031	Merritt	1.97	*	33		4.62	*	26	3.06	*	15		3.48	*	13	2.32	*	10		2.52		6	1.02		6		0.87		5
032	Hope	1.42		21		1.90		13	3.41	*	12		3.67	*	10	2.07		8		2.77		3	2.08		9		2.12		7
033	Chilliwack	1.08		132		1.14		58	0.98		34	↘	0.93		28	0.74		25	↘	1.07		7	1.12		44		1.13		41
034	Abbotsford	0.87		159		0.88		72	1.32	*	77		1.35	*	70	0.85		44		0.70		9	0.77		50	↘	0.85		48
035	Langley	0.96		162		0.71	*	58	1.02		55		0.96		46	0.99		46		0.43	*	7	0.94		58		0.79		54
037	Delta	0.98		132		0.79		52	0.52	*	23		0.35	*	20	0.72		25		0.94		6	0.57	*	29		0.49	*	25
038	Richmond	0.72	*	178	↘	0.46	*	62	0.51	*	42		0.49	*	33	0.50	*	33		0.41	*	8	0.64	*	62		0.56	*	54
040	New Westminster	1.11		101		1.05		47	0.90		25		1.00		24	0.98		25		1.04		7	1.33		44	↘	1.20		42
041	Burnaby	0.89		268	↘	0.77	*	104	0.43	*	42	↘	0.43	*	38	0.98		81		0.86		17	0.74	*	83	↘	0.65	*	73
042	Maple Ridge	1.20		123		1.03		59	1.17		44		1.35		42	0.79		21		0.89		6	1.06		47		1.04		46
043	Coquitlam	0.84	*	183		0.68	*	86	0.85		77		0.81		71	0.72	*	39	↘	0.59		15	0.68	*	72		0.60	*	65
044	North Vancouver	0.79	*	148	↘	0.53	*	48	0.47	*	28		0.46	*	26	0.82		41		1.53		13	0.67	*	47	↘	0.61	*	39
045	West Vancouver-Bowen Is	0.83		94		0.27	*	14	0.52	*	12		0.68		11	0.70		23	↘	0.53		4	0.90		24		0.64	*	18
046	Sunshine Coast	0.90		50		0.92		24	1.30		16		1.99		15	1.20		18		2.82		5	1.05		16	↘	1.10		15
047	Powell River	1.19		44		1.08		20	1.76		15		2.45	*	14	1.23		12		0.93		2	1.52		16		1.05		12
048	Howe Sound	1.37		34		1.57		23	2.06	*	30	↘	2.11	*	29	2.22	*	13		5.50	*	10	0.95		16		0.95		15
049	Bella Coola Valley	1.74		6		1.46		4	1.62		2		1.75		2	-		-		-		-	2.68		4		3.30		4
050	Queen Charlotte	1.37		7		1.63		4	1.48		3		1.11		2	0.83		1		-		-	2.41		6		2.80		6
051	Snow Country	1.65		1		3.13		1	4.18		1		6.47		1	-		-		-		-	3.20		1		6.40		1
052	Prince Rupert	1.53		24		1.58		14	0.32		2		0.36	+	2	0.53		2	↘	1.26		2	1.51		11		1.93		11
053	Upper Skeena	1.38		7		1.07		4	1.77		4		0.91		3	1.70		2		0.25	+	1	1.54		4		2.50		4
054	Smithers	1.24		20		0.91		12	1.48		10		1.86		10	2.85	*	11		1.06		5	1.51		12		1.69		11
055	Burns Lake	1.38		13		1.17		8	3.67	*	13	↘	4.74	*	12	2.54		6		1.18		1	1.28		5		1.04		5
056	Nechako	1.90	*	30		2.31	*	21	3.89	*	25		4.16	*	23	1.61		6		0.61		1	1.33		10		1.10		7
057	Prince George	1.23	*	116		1.19		67	1.56	*	65	↘	1.37		62	1.55	*	34		1.28		12	1.17		57		1.29		54
059	Peace River South	0.88		25		0.98		14	2.02	*	23		2.18	*	22	1.03		7		0.90		2	0.91		12		0.96		11
060	Peace River North	0.90		23		1.06		17	3.11	*	44		3.37	*	42	0.64		4		0.69		3	0.96		15		1.18		14
061	Greater Victoria	0.95		410		1.19		149	0.39	*	40		0.40	*	34	1.33	*	174	↘	1.02		33	1.13		132	↘	1.15		113
062	Sooke	0.99		69		0.60	*	28	0.99		26		0.79		21	1.04		18		0.47	+	4	0.98		31		0.97		27
063	Saanich	0.74	*	112		0.70		35	0.75		22		0.75		17	1.02		45		1.13		7	0.67		23	↘	0.78		19
064	Gulf Islands	1.07		38	↗	1.13		13	1.04		7		1.15		5	0.93		9		0.08	+	1	0.95		8		1.21		7
065	Cowichan	1.12		101		1.54	*	54	1.32		32		1.52		28	0.74		18	↘	0.68		6	1.23		35		1.33		30
066	Lake Cowichan	1.79	*	16		2.26		11	1.13		3	↘	0.63		2	0.47		1		-		-	1.22		4		1.64		4
067	Ladysmith	1.10		40		1.44		17	0.76		6		0.84		4	1.30		13		1.27		3	0.84		8		1.33		7
068	Nanaimo	0.94		161		1.11		78	1.05		47		1.24		40	0.96		45	↘	1.48		11	1.21		63		1.21		53
069	Qualicum	0.84		90		1.12		38	1.32		26		1.91	*	20	1.32		38		0.12	+	2	1.00		24		1.13		19
070	Alberni	1.23		59		1.66	*	37	1.75	*	24		1.76		20	1.38		17		0.99		4	2.08	*	34		2.17	*	32
071	Courtenay	1.13		117		1.05		45	0.79		21		1.02		19	1.21		33		0.76		7	1.35		43		1.44		39
072	Campbell River	1.16		63		1.28		34	1.71	*	30		1.39		25	1.20		16		2.87		8	1.79	*	38		2.18	*	35
075	Mission	1.52	*	72		1.87	*	43	1.30		23		1.35		21	1.05		13		1.28		7	0.83		17		1.00		16
076	Agassiz-Harrison	1.57		23		1.47		10	1.30		5		1.79		5	0.51		2		-		-	1.09		5		1.91		5
077	Summerland	1.00		29		0.41	+	4	0.57		3		0.70		2	1.17		10		0.36		1	1.30		8		2.25		8
078	Enderby	1.77	*	23		1.63		9	2.71	*	9		3.57	*	8	1.15		4		-		-	1.78		7		1.79		6
080	Kitimat	1.67		18		1.50		11	1.54		7		1.03		7	0.43		1		0.59		1	0.54		3		0.39	+	2
081	Fort Nelson	1.26		4		0.58		3	3.63	*	10		4.07	*	10	-		-		-		-	0.64		2		0.61		2
083	Central Coast	7.23	*	9		5.20		7	-		-		-		-	-		-		-		-	4.09		3		4.70		3
084	Vancouver Island West	0.72		2		1.22		2	2.99		3		1.36		3	-		-		-		-	2.36		3		3.85		3
085	Vancouver Island North	2.01	*	23		1.39		16	1.91		10		2.02		10	2.54		6		5.81		6	1.88		12		2.18		12
087	Stikine	1.80		2		1.45		1	-		-		-		-	-		-		-		-	1.86		1		1.23		1
088	Terrace	1.31		27		1.14		18	2.02	*	17		1.77		16	0.63		3		0.33	+	1	1.31		13		1.61		12
092	Nisga'a	1.19		2		0.67		1	-		-		-		-	-		-		-		-	6.45	*	6		10.63	*	6
094	Telegraph Creek	3.26		2		0.44		1	3.46		1		5.33		1	12.03	+	2		46.96		1	6.31		2		7.12		2
161	Vancouver City Centre	0.95		121	↘	0.89		58	0.32	*	18		0.20	*	14	0.64	*	22	↘	0.69		8	1.28	*	84	↘	1.20		79
162	Van. Downtown E. Side	1.58	*	135	↘	2.65	*	94	0.72		20	↘	0.38	*	14	1.09		26	↘	2.44	*	16	1.87	*	65	↘	1.93	*	62
163	Vancouver North East	0.85		115	↘	0.60	*	48	0.46	*	21		0.30	*	14	0.92		33		0.42	*	6	0.78		41		0.68	*	34
164	Vancouver West Side	0.78	*	148	↘	0.44	*	36	0.25	*	15		0.15	*	10	0.87		47		0.85		10	0.90		61		0.67	*	53
165	Vancouver Midtown	0.97		99	↘	1.09		45	0.42	*	16	↘	0.41	*	14	0.94		26		1.25		6	0.92		41		0.95		40
166	Vancouver South	0.85	*	169		0.64	*	60	0.53	*	32	↘	0.49	*	24	0.74		42	↘	0.47	*	6	0.72	*	49	↘	0.67	*	44
201	Surrey	0.99		346		1.02		187	0.83	*	127	↘	0.74	*	116	0.80		69		1.03		33	0.84	*	146		0.81	*	142
202	South Surrey/White Rock	0.83	*	154		0.83		40	0.69		25		0.90		20	0.76		42		0.79		6	0.87		37		1.02		33
	PROVINCIAL TOTAL	**1.00**		**6,264**	↘	**1.00**		**2,744**	**1.00**		**1,910**	↘	**1.00**		**1,681**	**1.00**		**1,697**	↘	**1.00**		**436**	**1.00**		**2,225**	↘	**1.00**		**2,021**

Please refer to footnotes on Table E

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths						
	Local Health Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
001	Fernie	1.24		41		0.90		30	0.66		2		0.57		2	0.56		4		0.88		4
002	Cranbrook	1.58	•	97	↗	1.30		70	0.40		2		0.48		2	1.06		12		1.01		12
003	Kimberley	1.22		29		1.35		21	1.72		3		1.74		3	-		-		-		-
004	Windermere	1.14		26		0.76		19	-		-		-		-	0.65		3		0.94		3
005	Creston	0.93		36		1.23		25	2.52		6		2.37		6	0.59		3		0.61		3
006	Kootenay Lake	1.01		11		1.91		10	-		-		-		-	0.58		1		1.29		1
007	Nelson	1.61	•	96		1.34		64	1.00		5		1.09		5	0.95		11		0.91		10
009	Castlegar	1.46	•	49		1.62		32	2.28		6		3.02		6	1.15		7		1.11		6
010	Arrow Lakes	2.12	•	31		2.19		19	-		-		-		-	1.36		3		1.48		3
011	Trail	1.95	•	103	↗	2.17	•	79	1.28		5		1.42		5	1.11		10		0.75		9
012	Grand Forks	1.52	•	42		1.85	•	31	-		-		-		-	0.25		1		0.38		1
013	Kettle Valley	0.96		11		0.83		8	-		-		-		-	-		-		-		-
014	Southern Okanagan	1.61	•	110		1.92	•	79	1.59		6		1.47		6	0.62		5		0.78		5
015	Penticton	1.21	•	150		1.40	•	101	1.20		9		1.31		9	1.69	•	30	↗	1.58		27
016	Keremeos	1.54	•	28		2.30	•	20	-		-		-		-	1.35		3		1.83		3
017	Princeton	0.72		12		0.83		10	1.80		2		2.03		2	1.34		3		1.51		3
018	Golden	1.23		19		1.40		17	1.39		2		2.22		2	0.28		1		0.44		1
019	Revelstoke	0.86		16		0.68		11	0.62		1		0.65		1	0.26		1		0.29	+	1
020	Salmon Arm	1.11		109		1.53	•	89	1.62		11		1.53		11	1.36		20		1.62		20
021	Armstrong-Spallumcheen	0.76		19		0.74		15	-		-		-		-	0.71		3		0.50		3
022	Vernon	1.04		175		1.18		133	1.23		15		1.14		15	1.35		36		1.38		38
023	Central Okanagan	1.02		452		1.12		343	1.08		35		1.14		35	1.09		84		1.15		80
024	Kamloops	1.14	•	298	↘	1.18	•	234	1.36		29		1.34		29	1.18		58	↘	1.17		54
025	100 Mile House	1.30		56	↘	1.63	•	52	0.91		3		1.29		3	1.32		9		1.35		9
026	North Thompson	2.10	•	23	↗	2.49	•	18	2.15		2		2.43		2	0.98		2		1.15		2
027	Cariboo-Chilcotin	1.97	•	117		2.57	•	102	0.56		3		0.42	+	3	1.46		18	↗	1.58		18
028	Quesnel	1.47	•	81	↗	1.68	•	68	1.06		5		0.73		5	0.74		8		0.74		8
029	Lillooet	3.34	•	35		3.08	•	26	3.47		3		3.06		3	1.99		4		1.98		4
030	South Cariboo	2.67	•	55		3.75	•	49	3.93	•	6		5.27		6	1.53		5		1.64		5
031	Merritt	1.92	•	55		2.11	•	41	1.75		4		1.31		4	1.73		9		1.82		9
032	Hope	1.93	•	46		2.76	•	38	2.42		4		2.27		4	1.64		6		1.33		4
033	Chilliwack	0.85	•	159		0.88		122	1.27		18		1.26		18	1.33		46		1.37		45
034	Abbotsford	0.76	•	212	↗	0.82	•	176	0.53	•	12		0.48	•	12	1.04		60		1.15		60
035	Langley	0.82	•	221		0.75	•	173	0.90		21		0.75		21	0.73	•	41		0.76		40
037	Delta	0.68	•	157		0.58	•	111	1.24		25		1.36		25	0.67	•	31		0.70	•	31
038	Richmond	0.39	•	163		0.29	•	114	0.46	•	17		0.36	•	17	0.36	•	32	↘	0.34	•	31
040	New Westminster	1.38	•	191		1.18		146	1.14		14		1.42		14	1.57	•	49	↘	1.55	•	47
041	Burnaby	0.75	•	359		0.51	•	226	0.68	•	27		0.58	•	27	0.72	•	74	↘	0.69	•	71
042	Maple Ridge	0.93		169		0.81	•	130	0.95		16		0.82		16	0.85		35		0.81		35
043	Coquitlam	0.64	•	265		0.55	•	211	0.62	•	25		0.59	•	25	0.64	•	64		0.65	•	62
044	North Vancouver	0.58	•	177		0.58	•	134	0.67		18		0.72		18	0.68	•	44		0.70	•	40
045	West Vancouver-Bowen Is	0.52	•	77		0.43	•	46	0.48		5		0.40	•	5	0.32	•	7	↘	0.28	•	6
046	Sunshine Coast	1.04		88		0.91		64	0.65		4		0.35	+	4	0.77		10		0.70		10
047	Powell River	1.58	•	90		2.07	•	75	1.91		8		2.01		8	1.88	•	17		1.60		14
048	Howe Sound	1.22		70		1.17		58	0.66		4		0.52		4	0.67		11		0.56	•	10
049	Bella Coola Valley	4.66	•	31		6.69	•	29	1.74		1		0.84		1	1.46		2		1.36		2
050	Queen Charlotte	3.53	•	37		3.10	•	31	1.96		2		3.09		2	1.72		4		1.61		4
051	Snow Country	2.11		3		3.91		3	-		-		-		-	-		-		-		-
052	Prince Rupert	2.34	•	72		2.36	•	62	0.69		2	↘	0.46		2	1.19		8		1.05		8
053	Upper Skeena	2.14	•	23		2.59	•	17	1.01		1		0.65		1	0.42		1		0.36		1
054	Smithers	1.36		44		1.15		30	0.96		3		0.82		3	0.54		4		0.63		4
055	Burns Lake	1.94	•	34		2.05	•	27	0.68		1		0.72		1	-		-		-		-
056	Nechako	2.20	•	70	↗	1.85	•	53	1.05		3		0.95		3	0.73		5		0.71		5
057	Prince George	1.41	•	276	↗	1.35	•	228	1.75	•	33		1.69	•	33	0.97		44		0.90		43
059	Peace River South	1.49	•	83		1.79	•	74	1.79		9		1.97		9	0.42	•	5		0.34	•	5
060	Peace River North	1.34	•	74		1.46	•	65	1.07		6		1.28		6	0.41	•	6		0.44	•	6
061	Greater Victoria	1.21	•	668		1.18	•	468	0.94		39		1.02		39	1.49	•	154	↘	1.52	•	144
062	Sooke	1.03		135		1.11		113	0.80		10		0.94		10	0.81		24		0.81		24
063	Saanich	0.70	•	139		0.69	•	86	0.54		7		0.57		7	0.85		24		0.98		21
064	Gulf Islands	1.14		58		1.19		40	-		-		-		-	1.16		8		1.59		8
065	Cowichan	1.21	•	171	↗	1.42	•	132	0.56		6		0.65		6	0.89		22		0.97		22
066	Lake Cowichan	1.17		19		1.11		17	3.10		4		2.37		4	1.04		3		1.36		3
067	Ladysmith	1.43	•	76		1.46		47	0.54		2		0.46		2	0.50		4		0.56		3
068	Nanaimo	1.19	•	306		1.26	•	232	1.12		22		1.12		22	0.91		41	↘	0.82		36
069	Qualicum	0.81	•	124		1.03		85	0.54		5		0.73		5	0.48	•	9		0.47	•	9
070	Alberni	2.15	•	173		2.43	•	142	1.11		7		0.97		7	1.12		16		1.09		14
071	Courtenay	1.36	•	224	↗	1.09		153	0.64		8		0.49	•	8	0.93		26		0.97		25
072	Campbell River	1.49	•	147		1.66	•	127	0.47		4		0.61		4	1.26		24		1.33		24
075	Mission	1.04		88		1.18		78	0.79		6		0.99		6	1.16		22		1.15		22
076	Agassiz-Harrison	0.93		22		1.29		16	1.76		3		1.60		3	1.28		5		1.19		4
077	Summerland	0.49	•	18		0.64		12	-		-		-		-	0.20		1		0.30	+	1
078	Enderby	1.49	•	31		2.03	•	21	1.99		3		2.93		3	1.20		4		0.69		3
080	Kitimat	1.28		30	↗	1.23		27	0.91		2		0.79		2	0.78		4		0.66		4
081	Fort Nelson	1.37		13		1.51		13	2.64		3		2.60		3	0.97		3		0.94		3
083	Central Coast	7.94	•	22		6.18	•	16	7.47		2		6.68		2	-		-		-		-
084	Vancouver Island West	1.68		10		1.62		9	1.88		1		2.52		1	-		-		-		-
085	Vancouver Island North	3.17	•	84		3.61	•	78	1.90		5		2.20		5	1.51		9		1.74		9
087	Stikine	2.45		6		1.47		6	-		-		-		-	-		-		-		-
088	Terrace	1.80	•	76	↗	2.32	•	70	1.53		6		1.46		6	0.77		7		1.09		7
092	Nisga'a	3.25	•	12		5.04	•	10	-		-		-		-	2.33		2		3.60		2
094	Telegraph Creek	4.92	•	6		10.31	•	6	8.94		1		11.60		1	-		-		-		-
161	Vancouver City Centre	0.84	•	194	↘	0.69	•	163	1.59	•	35		1.43		35	1.34	•	85	↘	1.13		82
162	Van. Downtown E. Side	2.30	•	326	↘	2.32	•	263	4.80	•	56		4.70	•	56	5.60	•	182	↘	5.43	•	181
163	Vancouver North East	0.56	•	126	↘	0.49	•	90	0.76		14		0.57	•	14	0.75		36	↘	0.75		35
164	Vancouver West Side	0.47	•	134		0.38	•	94	0.69		17		0.79		17	0.58	•	36	↘	0.49	•	33
165	Vancouver Midtown	0.82	•	143	↘	0.85		120	0.63		10		0.64		10	0.94		40	↘	0.90		39
166	Vancouver South	0.51	•	154	↘	0.54	•	109	0.77		19		0.77		19	0.55	•	34	↘	0.55	•	34
201	Surrey	0.84	•	569		0.85	•	476	1.07		69		1.08		69	1.10		179		1.09		178
202	South Surrey/White Rock	0.59	•	138		0.57	•	87	0.81		13		0.89		13	0.73		26		0.79		23
	PROVINCIAL TOTAL	**1.00**		**10,043**		**1.00**		**7,711**	**1.00**		**829**		**1.00**		**829**	**1.00**		**2,007**	↘	**1.00**		**1,934**

Please refer to footnotes on Table E

TABLE C

SUMMARY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2004-2008

Health Service Delivery Area	2008 Population	Live Birth		Stillbirth		Death		Infant Death	
		Total	Rate	Total	Rate[2]	Total	Rate	Total	Rate[1]
11 East Kootenay	79,064	3,505	9.23	20	5.67	2,991	7.88	12	3.42
12 Kootenay Boundary	78,442	3,137	8.19	24	7.59	3,678	9.60	7	2.23
13 Okanagan	344,669	13,719	8.36	105	7.60	16,382	9.98	56	4.08
14 Thompson/Cariboo/Shushwap	220,381	9,742	9.10	72	7.34	8,792	8.21	48	4.93
21 Fraser East	276,032	16,208	12.13	144	8.81	10,304	7.71	59	3.64
22 Fraser North	585,076	29,042	10.23	223	7.62	16,873	5.95	87	3.00
23 Fraser South	680,371	37,423	11.41	288	7.64	20,341	6.20	152	4.06
31 Richmond	189,027	8,163	8.89	69	8.38	4,482	4.88	27	3.31
32 Vancouver	629,905	29,589	9.64	279	9.34	18,818	6.13	134	4.53
33 North Shore/Coast Garibaldi	273,426	11,784	8.76	95	8.00	9,580	7.12	43	3.65
41 South Vancouver Island	364,055	14,565	8.19	105	7.16	16,375	9.21	69	4.74
42 Central Vancouver Island	258,452	10,759	8.59	103	9.48	11,982	9.57	62	5.76
43 North Vancouver Island	118,792	5,132	8.90	39	7.54	4,459	7.74	20	3.90
51 Northwest	74,888	4,458	11.74	40	8.89	2,246	5.91	21	4.71
52 Northern Interior	142,263	8,165	11.49	71	8.62	4,397	6.19	33	4.04
53 Northeast	66,760	4,842	14.82	34	6.97	1,628	4.98	20	4.13
Provincial Total	**4,381,603**	**210,272**	**9.88**	**1,711**	**8.07**	**153,369**	**7.20**	**850**	**4.04**

Health Service Delivery Area	Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]	Total	Rate[1]
11 East Kootenay	185	52.78	1,074	306.42	244	69.61	212	60.49	492	140.37
12 Kootenay Boundary	158	50.37	756	240.99	206	65.67	110	35.07	544	173.41
13 Okanagan	710	51.75	4,122	300.46	1,057	77.05	614	44.76	2,281	166.27
14 Thompson/Cariboo/Shushwap	541	55.53	3,226	331.14	790	81.09	575	59.02	1,339	137.45
21 Fraser East	833	51.39	4,490	277.02	1,195	73.73	760	46.89	2,072	127.84
22 Fraser North	1,731	59.60	9,056	311.82	2,211	76.13	455	15.67	7,918	272.64
23 Fraser South	2,307	61.65	11,827	316.04	2,838	75.84	823	21.99	7,233	193.28
31 Richmond	462	56.60	2,557	313.24	566	69.34	66	8.09	2,515	308.10
32 Vancouver	1,795	60.66	8,658	292.61	2,383	80.54	367	12.40	10,117	341.92
33 North Shore/Coast Garibaldi	590	50.07	3,680	312.29	893	75.78	289	24.52	3,896	330.62
41 South Vancouver Island	753	51.70	5,053	346.93	1,153	79.16	424	29.11	3,411	234.19
42 Central Vancouver Island	584	54.28	2,960	275.12	967	89.88	693	64.41	1,696	157.64
43 North Vancouver Island	260	50.66	1,462	284.88	351	68.39	369	71.90	781	152.18
51 Northwest	198	44.41	1,196	268.28	352	78.96	455	102.06	574	128.76
52 Northern Interior	437	53.52	2,284	279.73	550	67.36	601	73.61	965	118.19
53 Northeast	198	40.89	1,362	281.29	220	45.44	373	77.03	463	95.62
Provincial Total	**11,746**	**55.86**	**63,771**	**303.28**	**15,982**	**76.01**	**7,190**	**34.19**	**46,304**	**220.21**

Please refer to footnotes on Table E

TABLE D

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2004-2008

	Health Service Delivery Area	01 All Causes of Death							02 Malignant Neoplasms							03 Malignant Neoplasms of Lung							04 End/Nut/Met. Diseases						
		SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.03		2,991	↘	1.05		1,219	0.97		818		1.00		465	1.02		227		1.02		137	1.09		133	↗	0.82		47
12	Kootenay Boundary	1.11	*	3,678	↘	1.16	*	1,413	1.05		985	↘	1.07		533	0.93		229		1.03		150	1.14		159		1.11		62
13	Okanagan	1.02	*	16,382	↘	1.11	*	5,435	1.04	*	4,652		1.03		2,159	1.08	*	1,266		1.13	*	668	0.98		669	↗	1.11		211
14	Thompson/Cariboo/Shushwap	1.14	*	8,792	↘	1.29	*	4,038	1.06	*	2,444	↘	1.07	*	1,418	1.19	*	737		1.22	*	447	1.23	*	405	↗	1.12		164
21	Fraser East	1.09	*	10,304	↘	1.14	*	3,961	1.08	*	2,842		1.15	*	1,508	1.06		728		1.22	*	449	1.20	*	478	↗	1.25		184
22	Fraser North	0.98	*	16,873	↘	0.83	*	6,269	0.98		4,729	↘	0.94	*	2,473	1.03		1,284	↘	0.97		712	0.95		672		0.88		252
23	Fraser South	1.00		20,341	↘	0.93	*	7,781	0.98		5,636	↘	0.98		3,026	0.95		1,423	↘	0.94		793	1.02		865	↗	0.99		320
31	Richmond	0.75	*	4,482	↘	0.58	*	1,551	0.82	*	1,387	→	0.77	*	715	0.82	*	361	↘	0.70	*	194	0.77	*	192		0.59	*	73
32	Vancouver	0.91	*	18,818	↘	0.94	*	7,126	0.89	*	4,972	↘	0.90	*	2,482	0.82	*	1,185	↘	0.76	*	592	0.81	*	686		0.77	*	244
33	North Shore/Coast Garibaldi	0.93	*	9,580	↘	0.82	*	3,215	0.94	*	2,708	↘	0.88	*	1,365	0.80	*	600	↘	0.77	*	350	0.81	*	352		0.68	*	125
41	South Vancouver Island	0.95	*	16,375	↘	0.98		4,742	1.00		4,476	↘	1.01		1,952	0.91	*	1,044	↘	0.98		503	0.86	*	615	↗	1.10		202
42	Central Vancouver Island	1.05	*	11,982	↘	1.21	*	4,563	1.08	*	3,515	↘	1.12	*	1,825	1.13	*	971		1.16	*	540	1.11	*	540	↗	1.19		193
43	North Vancouver Island	1.08	*	4,459	↘	1.17	*	1,998	1.09	*	1,342	↘	1.11	*	766	1.22	*	401		1.23	*	241	1.03		180		0.99		70
51	Northwest	1.24	*	2,246	↘	1.29	*	1,226	1.12	*	627		1.03		391	1.23	*	184		1.12		127	1.65	*	125	↗	1.48		63
52	Northern Interior	1.25	*	4,397	↘	1.29	*	2,393	1.24	*	1,339		1.27	*	886	1.49	*	426		1.38	*	279	1.66	*	244	↗	1.78	*	130
53	Northeast	1.20	*	1,628	↘	1.26	*	904	1.20	*	487		1.15		323	1.32	*	142		1.34	*	97	1.65	*	92	↗	1.05		39
	Provincial Total	**1.00**		**153,369**	↘	**1.00**		**57,872**	**1.00**		**42,963**	↘	**1.00**		**22,280**	**1.00**		**11,209**	↘	**1.00**		**6,280**	**1.00**		**6,408**	↗	**1.00**		**2,379**

	Health Service Delivery Area	05 Diabetes							06 Circulatory System							07 Ischemic Heart Diseases							08 Cerebrovascular Diseases/Stroke						
		SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.12		109	↗	0.84		38	1.03		906	↘	0.87		231	0.95		400	↘	1.00		123	0.94		199	↘	0.64	*	37
12	Kootenay Boundary	1.18		130		0.91		45	1.19	*	1,266	↘	1.19	*	314	1.20	*	591	↘	1.06		151	1.18	*	294	↘	1.06		59
13	Okanagan	0.97		526	↗	0.91		150	1.00		5,282	↘	1.00	*	1,126	0.94	*	2,292	↘	1.03		571	0.98		1,226	↘	1.16		218
14	Thompson/Cariboo/Shushwap	1.26	*	329	↗	1.23		132	1.09	*	2,573	↘	1.21	*	821	1.08	*	1,194	↘	1.33	*	475	1.03		563	↘	0.94		131
21	Fraser East	1.24	*	389	↗	1.46	*	149	1.09	*	3,286	↘	1.09		767	1.16	*	1,613	↘	1.14		425	0.98		701	↘	1.32	*	155
22	Fraser North	0.94		525		0.93		197	1.03	*	5,505	↘	0.89	*	1,251	1.17	*	2,872	↘	0.97		704	0.95		1,194	↘	0.91		233
23	Fraser South	1.02		675	↗	0.95		245	1.05	*	6,621	↘	1.02		1,588	1.15	*	3,371	↘	1.14	*	939	1.00		1,487	↘	0.94		276
31	Richmond	0.82	*	161		0.71	*	58	0.76	*	1,413	↘	0.60	*	307	0.76	*	656	↘	0.55	*	153	0.85	*	372	↘	0.73	*	67
32	Vancouver	0.79	*	527		0.83	*	190	0.86	*	5,685	↘	0.98		1,385	0.81	*	2,424	↘	0.82	*	627	0.94	*	1,465	↘	1.04		275
33	North Shore/Coast Garibaldi	0.83	*	263		0.74	*	96	0.98		3,232	↘	0.83	*	655	0.91	*	1,386	↘	0.79	*	335	1.14	*	887	↘	0.72	*	117
41	South Vancouver Island	0.80	*	452	↗	1.01		143	0.95	*	5,498	↘	0.93		886	0.88	*	2,307	↘	0.89	*	443	0.99		1,393	↘	1.01		176
42	Central Vancouver Island	1.14	*	441	↗	1.15		156	1.03	*	3,781	↘	1.11	*	872	1.03		1,746	↘	1.04		440	0.98		847	↘	1.10		151
43	North Vancouver Island	1.01		140		0.90		50	1.06	*	1,346	↘	1.10		410	0.97		575	↘	1.12		213	1.22	*	357	↘	1.28		87
51	Northwest	1.77	*	105	↗	1.41		47	1.26	*	638	↘	1.25	*	253	1.15	*	280	↘	1.24		136	1.19		135		1.60	*	47
52	Northern Interior	1.58	*	182	↗	1.64	*	96	1.17	*	1,169	↘	1.17	*	437	1.05		501	↘	1.10		211	1.16	*	261	↘	1.07		79
53	Northeast	1.83	*	79	↗	1.38		33	1.13	*	422	↘	1.14		157	1.11		198	↘	1.35	*	87	1.02		86		0.60	*	25
	Provincial Total	**1.00**		**5,054**	↗	**1.00**		**1,825**	**1.00**		**48,658**	↘	**1.00**		**11,464**	**1.00**		**22,409**	↘	**1.00**		**6,036**	**1.00**		**11,468**	↘	**1.00**		**2,133**

	Health Service Delivery Area	09 Arteries/Arterioles/Capillaries							10 Respiratory System							11 Pneumonia and Influenza							12 Chronic Lung Disease						
		SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.38	*	78		1.09		28	1.05		320		1.17		101	0.76	*	91		0.62		16	1.32	*	166		1.55	*	58
12	Kootenay Boundary	1.43	*	93		2.74	*	41	0.93		331		1.20		[illegible]	0.72	*	102	↘	1.25		25	1.23	*	179		0.93		40
13	Okanagan	1.03		330	↘	0.98		91	0.98		1,754	↘	0.92		321	0.94		674	↘	1.04		85	1.06		778		0.94		168
14	Thompson/Cariboo/Shushwap	1.25	*	187	↘	1.30		71	1.09	*	862	↘	1.19		263	0.88	*	268	↘	1.34		66	1.34	*	449		1.22		148
21	Fraser East	0.88		163	↘	0.81		44	1.20	*	1,225		1.31	*	289	1.30	*	534		1.10		74	1.20	*	499		1.50	*	155
22	Fraser North	0.72	*	234	↘	0.77	*	72	1.08	*	1,922	↘	0.79	*	394	1.09	*	783	↘	0.61	*	87	1.03		739	↘	0.94		201
23	Fraser South	0.96		374	↘	0.60	*	87	1.05	*	2,236		0.92		466	1.20	*	1,019		1.03		152	0.98		840	↘	0.83	*	208
31	Richmond	0.73	*	84		0.49	*	21	0.78	*	486	↘	0.36	*	73	0.74	*	165	↘	0.16	*	17	0.70	*	176	↘	0.30	*	28
32	Vancouver	1.01		398		1.22		141	0.99		2,189	↘	1.26	*	480	1.15	*	1,037	↘	1.52	*	185	0.75	*	657	↘	1.04		179
33	North Shore/Coast Garibaldi	0.97		195		0.71	*	58	0.89	*	993	↘	0.60	*	161	1.11	*	498	↘	0.82		57	0.72	*	323	↘	0.48	*	69
41	South Vancouver Island	0.87	*	295	↘	0.80		66	0.84	*	1,644	↘	0.91		264	0.72	*	590	↘	0.73		60	0.92	*	704	↘	0.97		138
42	Central Vancouver Island	1.15	*	259	↘	1.16		86	0.99		1,223	↘	1.15		300	0.88	*	427	↘	1.06		70	1.06		545		1.13		161
43	North Vancouver Island	1.25	*	100		1.07		40	0.96		406		1.16		121	0.70	*	115		1.11		23	1.11		196		1.16		62
51	Northwest	1.26		42		1.74		23	1.16	*	195		1.15		68	0.96		60	↘	1.22		14	1.23		88		0.90		33
52	Northern Interior	1.66	*	108		2.06	*	56	1.26	*	420		1.44	*	156	1.04		130	↘	1.13		37	1.52	*	214		1.70	*	80
53	Northeast	1.35		33		1.64		17	1.25	*	156	↘	1.01		48	1.15		54		0.85		12	1.48	*	77		1.37		30
	Provincial Total	**1.00**		**2,973**	↘	**1.00**		**942**	**1.00**		**16,366**	↘	**1.00**		**3,592**	**1.00**		**6,570**	↘	**1.00**		**983**	**1.00**		**6,631**	↘	**1.00**		**1,759**

Please refer to footnotes on Table E

TABLE D

MORTALITY STATISTICS BY HEALTH SERVICE DELIVERY AREA

BRITISH COLUMBIA, 2004-2008

		13 Digestive System							14 Motor Vehicle Accidents						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	0.95		113		0.65	*	48	1.88	*	63		2.03	*	54
12	Kootenay Boundary	1.20	*	163		0.90		63	1.94	*	66		1.96	*	57
13	Okanagan	1.01		649		1.19	*	248	1.26	*	188	↘	1.34	*	160
14	Thompson/Cariboo/Shushwap	1.41	*	449		1.61	*	231	2.24	*	212	↘	2.31	*	195
21	Fraser East	1.07		407		1.17		196	1.28	*	151		1.30	*	134
22	Fraser North	0.95		675	↘	0.81	*	296	0.74	*	188		0.77	*	175
23	Fraser South	0.95		794		0.90		337	0.80	*	230	↘	0.74	*	202
31	Richmond	0.72	*	178	↘	0.46	*	62	0.51	*	42		0.49	*	33
32	Vancouver	0.94		792	↘	0.93		347	0.42	*	122	↘	0.31	*	90
33	North Shore/Coast Garibaldi	0.91		385		0.72	*	140	0.86		103		1.01		97
41	South Vancouver Island	0.91	*	629		0.99		225	0.57	*	95		0.55	*	77
42	Central Vancouver Island	1.01		467		1.33	*	235	1.22	*	138	↘	1.42	*	114
43	North Vancouver Island	1.19	*	205		1.17		97	1.27		64		1.28		57
51	Northwest	1.42	*	110		1.26		67	1.41	*	45		1.31		42
52	Northern Interior	1.29	*	193		1.34	*	115	2.02	*	124	↘	1.98	*	118
53	Northeast	0.91		52		0.98		34	2.72	*	77		3.00	*	74
	Provincial Total	**1.00**		**6,264**	↘	**1.00**		**2,744**	**1.00**		**1,910**	↘	**1.00**		**1,681**

		15 Unintentional Falls							16 Suicide						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.32		41		1.32		12	1.12		45		1.12		42
12	Kootenay Boundary	1.76	*	64		2.19		17	1.07		44	↘	1.01		39
13	Okanagan	1.08		195	↘	0.90		35	1.13		198	↘	1.30	*	184
14	Thompson/Cariboo/Shushwap	1.26	*	102	↘	0.93		30	1.19		134	↘	1.28	*	125
21	Fraser East	0.87		92	↘	0.94		26	0.94		125	↘	1.02		117
22	Fraser North	0.88		166	↘	0.78		45	0.84	*	246	↘	0.75	*	226
23	Fraser South	0.82	*	182		0.88		52	0.82	*	270	↘	0.78	*	254
31	Richmond	0.50	*	33		0.41	*	8	0.64	*	62		0.56	*	54
32	Vancouver	0.84	*	196	↘	0.89		52	1.02		342	↘	0.95		313
33	North Shore/Coast Garibaldi	0.93		107	↘	1.92	*	34	0.89		126	↘	0.79	*	108
41	South Vancouver Island	1.22	*	246	↘	0.90		45	1.02		194	↘	1.06		166
42	Central Vancouver Island	1.06		132	↘	0.96		26	1.26	*	168	↘	1.37	*	145
43	North Vancouver Island	1.26		55		2.05		21	1.58	*	96		1.84	*	89
51	Northwest	1.22		22		1.05		11	1.58	*	59		1.98	*	56
52	Northern Interior	1.49	*	53		1.10		17	1.17		84		1.18		75
53	Northeast	0.81		11		0.71		5	0.91		29		1.03		27
	Provincial Total	**1.00**		**1,697**	↘	**1.00**		**436**	**1.00**		**2,225**	↘	**1.00**		**2,021**

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths						
	Health Service Delivery Area	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
11	East Kootenay	1.27	*	250	↗	1.15		182	0.96		15		1.01		15	0.65	*	23		0.71		23
12	Kootenay Boundary	1.63	*	343	↗	1.70	*	243	1.00		16		1.21		16	0.91		33		0.86		30
13	Okanagan	1.08	*	995		1.22	*	734	1.10		70		1.14		70	1.16		171		1.18		163
14	Thompson/Cariboo/Shushwap	1.39	*	764		1.62	*	622	1.41	*	62		1.41	*	62	1.27	*	126		1.33	*	122
21	Fraser East	0.88	*	527		0.97		430	0.90		43		0.88		43	1.17		139		1.22	*	135
22	Fraser North	0.81	*	984		0.64	*	713	0.75	*	82		0.71	*	82	0.81	*	222	↘	0.79	*	215
23	Fraser South	0.77	*	1,085		0.75	*	847	1.03		128		1.04		128	0.92		277		0.94		272
31	Richmond	0.39	*	163		0.29	*	114	0.46	*	17		0.36	*	17	0.36	*	32	↘	0.34	*	31
32	Vancouver	0.80	*	1,090	↘	0.77	*	872	1.32	*	154		1.27	*	154	1.36	*	424	↘	1.29	*	415
33	North Shore/Coast Garibaldi	0.84	*	555		0.87	*	422	0.77		42		0.72	*	42	0.72	*	91		0.68	*	82
41	South Vancouver Island	1.07	*	1,000		1.08		707	0.80		56		0.89		56	1.25	*	210		1.31	*	197
42	Central Vancouver Island	1.24	*	869	↗	1.42	*	655	0.90		46		0.92		46	0.83		95	↘	0.83		87
43	North Vancouver Island	1.57	*	465	↗	1.59	*	367	0.74		18		0.77		18	1.09		59		1.17		58
51	Northwest	1.94	*	309		2.12	*	262	1.14		17		1.10		17	0.86		30		0.93		30
52	Northern Interior	1.54	*	461	↗	1.49	*	376	1.51	*	42		1.41		42	0.86		57		0.81		56
53	Northeast	1.41	*	170		1.60	*	152	1.53		18		1.70		18	0.47	*	14		0.45	*	14
	Provincial Total	**1.00**		**10,043**		**1.00**		**7,711**	**1.00**		**829**		**1.00**		**829**	**1.00**		**2,007**	↘	**1.00**		**1,934**

Please refer to footnotes on Table E

TABLE E

SUMMARY STATISTICS BY HEALTH AUTHORITY

BRITISH COLUMBIA, 2004-2008

	Health Authority	2008 Population	Live Birth		Stillbirth		Death		Infant Death	
			Total	Rate	Total	Rate²	Total	Rate	Total	Rate¹
01	Interior	722,556	30,103	8.66	221	7.29	31,843	2.91	123	4.09
02	Fraser	1,541,479	82,673	11.09	655	7.86	47,518	3.72	298	3.60
03	Vancouver Coastal	1,092,358	49,536	9.29	443	8.86	32,880	3.68	204	4.12
04	Vancouver Island	741,299	30,456	8.44	247	8.04	32,816	6.53	151	4.96
05	Northern	283,911	17,465	12.32	145	8.23	8,271	5.84	74	4.24
	Provincial Total	**4,381,603**	**210,272**	**9.88**	**1,711**	**8.07**	**153,369**	**7.20**	**850**	**4.04**

	Health Authority	Low Birth Wt. Live Birth		Cesarean		Pre-term		Teenage Mother		Elderly Gravida	
		Total	Rate¹	Total	Rate¹	Total	Rate¹	Total	Rate¹	Total	Rate¹
01	Interior	1,594	52.95	9,178	304.89	2,297	76.30	1,511	50.19	4,656	154.67
02	Fraser	4,871	58.92	25,373	306.91	6,244	75.53	2,038	24.65	17,223	208.33
03	Vancouver Coastal	2,847	57.47	14,895	300.69	3,842	77.56	722	14.58	16,528	333.66
04	Vancouver Island	1,597	52.44	9,475	311.10	2,471	81.13	1,486	48.79	5,888	193.33
05	Northern	833	47.70	4,842	277.24	1,122	64.24	1,429	81.82	2,002	114.63
	Provincial Total	**11,746**	**55.86**	**63,771**	**303.28**	**15,982**	**76.01**	**7,190**	**34.19**	**46,304**	**220.21**

Note: Total is the number of events in the specified category for the five year time period.
Infant Death - deaths of children under one year of age.
Low Birth Weight live births - live births with birth weight <2,500 grams.
Cesarean - live births delivered by cesarean section.
Pre-term - live births with gestational age <37 weeks.
Teenage Mother - live births to mothers under 20 years of age.
Elderly Gravida - live births to mothers 35 years of age or older.
Death is the total number of deaths from the specified cause for the five year period.
D<75 is the number of deaths under 75 years of age from the specified cause.
SMR - Standardized Mortality Ratio.
PYLLI - Potential Years of Life Lost Index.
Rate - per 1,000 population in the specified area.
Rate¹ - rate per 1,000 live births in the specified area.
Rate² - per 1,000 total births in the specified area.
SMR, PYLLI, and Rate are based on the five year period ending with the current year.
* Statistical testing indicates that observed deaths are statistically different from the expected deaths ($p<0.05$, two tailed).
+ Denotes statistical significance based on less than five cases.
TR - Trend in ASMR based on single year rates for the previous 15 years:
↗ indicates a statistically significantly positive (icreasing) trend, and
↘ indicates a statistically significantly negative (decreasing) trend.
Trends shown in previous annual reports were based on three year moving averages and should not be compared to the trends in these tables.
TR* - Trend reflects change in *Medical Certification of Death* introduced in 1993. The revised form contained questions about lifestyle factors including abuse of alcohol, which resulted in increased reporting of deaths indirectly related to alcohol.
HSDA 32 Vancouver may include unspecified Vancouver addresses.
N.S. - Not Stated.
Non-residents are excluded.

TABLE F

MORTALITY STATISTICS BY HEALTH AUTHORITY

BRITISH COLUMBIA, 2004-2008

		01 All Causes of Death							02 All Cancer Sites							03 Lung Cancer							04 End/Nut/Met. Diseases						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.06	*	31,843	↘	1.16	*	12,105	1.04	*	8,899	↘	1.05	*	4,575	1.09	*	2,459		1.13	*	1,402	1.07	*	1,366	↗	1.06		484
02	Fraser	1.01		47,518	↘	0.93	*	18,011	1.00		13,207	↘	1.00		7,007	1.00		3,435	↘	1.00		1,954	1.03		2,015	↗	0.99		756
03	Vancouver Coastal	0.89	*	32,880	↘	0.85	*	11,892	0.89	*	9,067	↘	0.87	*	4,552	0.81	*	2,146	↘	0.75	*	1,136	0.80	*	1,230		0.71	*	442
04	Vancouver Island	1.00		32,816	↘	1.09	*	11,303	1.04	*	9,333	↘	1.07	*	4,543	1.03		2,416	↘	1.09	*	1,284	0.97		1,335	↗	1.11		465
05	Northern	1.24	*	8,271	↘	1.28	*	4,523	1.20	*	2,453		1.18	*	1,600	1.38	*	752		1.30	*	503	1.66	*	461	↗	1.54	*	232
	Provincial Total	**1.00**		**153,369**	↘	**1.00**		**57,872**	**1.00**		**42,963**	↘	**1.00**		**22,280**	**1.00**		**11,208**	↘	**1.00**		**6,280**	**1.00**		**6,408**	↗	**1.00**		**2,379**

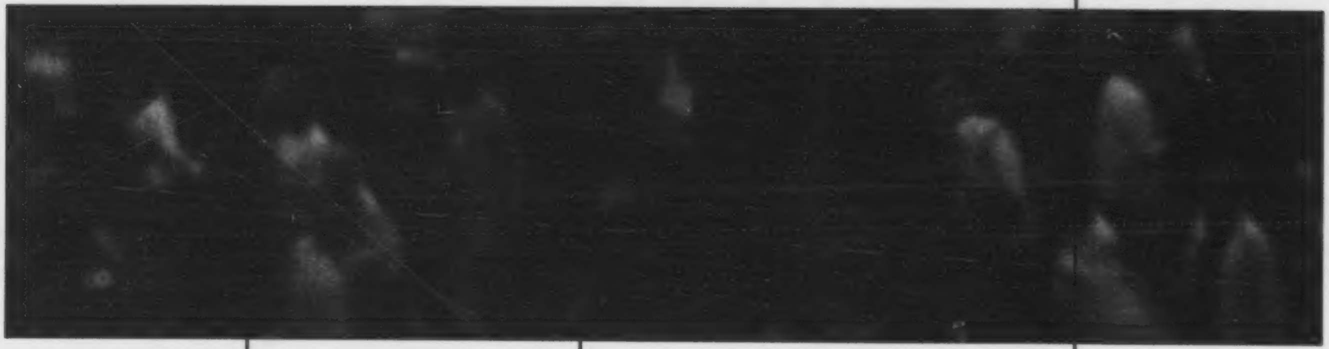
		05 Diabetes							06 Circulatory System							07 Ischemic Heart Diseases							08 Cerebrovascular Disease/Stroke						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.08	*	1,094	↗	1.00		365	1.05	*	10,057	↘	1.11	*	2,492	1.01		4,477	↘	1.12	*	1,320	1.01		2,282	↘	1.02		445
02	Fraser	1.04		1,589	↗	1.03		591	1.05	*	15,412	↘	0.98		3,606	1.16	*	7,856	↘	1.08	*	2,068	0.98		3,382	↘	0.99		664
03	Vancouver Coastal	0.81	*	971		0.78	*	344	0.88	*	10,330	↘	0.87	*	2,347	0.83	*	4,466	↘	0.76	*	1,115	0.98		2,724	↘	0.90		459
04	Vancouver Island	0.95		1,033	↗	1.04		349	0.99		10,625	↘	1.02		2,168	0.94	*	4,628	↘	0.98		1,036	1.02		2,597	↘	1.09		414
05	Northern	1.68	*	366	↗	1.52	*	176	1.18	*	2,229	↘	1.19	*	847	1.09	*	979	↘	1.19	*	434	1.14	*	482	↘	1.12		151
	Provincial Total	**1.00**		**5,054**	↗	**1.00**		**1,825**	**1.00**		**48,658**	↘	**1.00**		**11,464**	**1.00**		**22,409**	↘	**1.00**		**6,036**	**1.00**		**11,468**	↘	**1.00**		**2,133**

		09 Arteries/Arterioles/Capillaries							10 Respiratory System							11 Pneumonia and Influenza							12 Chronic Lung Disease						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.16	*	688	↘	1.30	*	231	1.00		3,267	↘	1.06		768	0.88	*	1,135	↘	1.11		192	1.17	*	1,572		1.09		414
02	Fraser	0.86	*	771	↘	0.70	*	203	1.09	*	5,383	↘	0.94		1,149	1.18	*	2,336		0.88		313	1.04		2,078	↘	1.00		564
03	Vancouver Coastal	0.95		677		0.95		220	0.93	*	3,668	↘	0.92		714	1.07	*	1,720	↘	1.10		259	0.73	*	1,156	↘	0.75	*	276
04	Vancouver Island	1.01		654	↘	0.98		192	0.90	*	3,273	↘	1.04		685	0.77	*	1,132	↘	0.91		153	0.99		1,445	↘	1.06		361
05	Northern	1.49	*	183		1.89	*	96	1.23	*	771	↘	1.27	*	272	1.04		244	↘	1.09		63	1.43	*	379		1.48	*	143
	Provincial Total	**1.00**		**2,973**	↘	**1.00**		**942**	**1.00**		**16,366**	↘	**1.00**		**3,592**	**1.00**		**6,570**	↘	**1.00**		**983**	**1.00**		**6,631**	↘	**1.00**		**1,759**

		13 Digestive System							14 Motor Vehicle Accidents							15 Unintentional Falls							16 Suicide						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.11	*	1,307		1.20	*	564	1.63	*	549	↘	1.72	*	483	1.17	*	381	↘	1.13		89	1.14	*	423	↘	1.23	*	393
01	Interior	1.13	*	1,374		1.23	*	590	1.70	*	529	↘	1.79	*	466	1.22	*	402	↘	1.10		94	1.14	*	421	↘	1.24	*	390
02	Fraser	0.97		1,876	↘	0.91	*	829	0.86	*	569	↘	0.85	*	511	0.85	*	440	↘	0.85		123	0.85	*	641	↘	0.81	*	597
03	Vancouver Coastal	0.90	*	1,355	↘	0.79	*	549	0.55	*	267	↘	0.50	*	220	0.81	*	336	↘	1.06		94	0.93		530	↘	0.85	*	473
04	Vancouver Island	0.98		1,301		1.14	*	557	0.90		297	↘	0.95		248	1.17	*	433	↘	1.11		92	1.19	*	458	↘	1.29	*	400
05	Northern	1.25	*	355		1.24	*	216	2.02	*	246	↘	2.06	*	234	1.28	*	86	↘	1.00		33	1.21	*	172		1.35	*	158
	Provincial Total	**1.00**		**6,264**	↘	**1.00**		**2,744**	**1.00**		**1,910**	↘	**1.00**		**1,681**	**1.00**		**1,697**	↘	**1.00**		**436**	**1.00**		**2,225**	↘	**1.00**		**2,021**

		17 Alcohol-Related Deaths							18 Medically Treatable Disease							19 Drug-Induced Deaths						
	Health Authority	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75	SMR	(p)	Death	TR	PYLLI	(p)	D<75
01	Interior	1.25	*	2,352		1.39	*	1,781	1.17		163	↗	1.22	*	163	1.11		353		1.14	*	338
02	Fraser	0.81	*	2,596		0.75	*	1,990	0.90		253		0.88		253	0.92	*	638	↘	0.93		622
03	Vancouver Coastal	0.74	*	1,808	↘	0.71	*	1,408	1.02		213		0.98		213	1.04		547	↘	0.99		528
04	Vancouver Island	1.21	*	2,334	↗	1.28	*	1,729	0.83	*	120		0.88		120	1.08		364	↘	1.13	*	342
05	Northern	1.62	*	940	↗	1.69	*	790	1.41	*	77		1.39	*	77	0.77	*	101		0.76	*	100
	Provincial Total	**1.00**		**10,043**		**1.00**		**7,711**	**1.00**		**829**		**1.00**		**829**	**1.00**		**2,007**	↘	**1.00**		**1,934**

Please refer to footnotes on Table E



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